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# OM protein - protein search, using sw model

Run on: March 21, 2005, 09:28:48 ; Search time 10.6615 Seconds  
(without alignments)  
465.047 Million cell updates/sec

Title: US-10-036-444-7

Perfect score: 85

Sequence: 1 WVSQPEIRTEGSC 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1401741 seqs, 330541175 residues

Total number of hits satisfying chosen parameters: 1401741

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep:\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep:\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep:\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep:\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep:\*
- 6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep:\*
- 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep:\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep:\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep:\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep:\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep:\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep:\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep:\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep:\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US10D\_PUBCOMB.pep:\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep:\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US11\_NEW\_PUB.pep:\*
- 19: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep:\*
- 20: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	85	100.0	15	13	US-10-036-444-7
2	76	89.4	120	13	US-10-036-444-4
3	76	89.4	135	15	US-10-333-481-17
4	76	89.4	161	16	US-10-696-259-10
5	76	89.4	177	16	US-10-696-259-5
6	76	89.4	190	13	US-10-036-444-2
7	76	89.4	190	16	US-10-696-259-4
8	76	89.4	201	16	US-10-696-259-6
9	76	89.4	369	15	US-10-333-481-18
10	61.5	72.4	175	16	US-10-696-259-8
11	61.5	72.4	185	16	US-10-696-259-7
12	61.5	72.4	198	16	US-10-696-259-9
13	50	58.8	71	15	US-10-424-599-173742

14	48	56.5	275	15	US-10-424-599-146488	Sequence 146488,
15	48	56.5	1517	14	US-10-156-761-14713	Sequence 14713, A
16	46.5	54.7	155	17	US-10-639-387-5	Sequence 5, Appli
17	46	54.1	343	16	US-10-437-963-148764	Sequence 148764,
18	46	54.1	429	16	US-10-437-963-190212	Sequence 190212,
19	45.5	53.5	83	14	US-10-029-386-32542	Sequence 32542, A
20	43	50.6	80	16	US-10-437-963-168450	Sequence 168450,
21	43	50.6	108	15	US-10-424-599-195126	Sequence 195126,
22	43	50.6	154	15	US-10-424-599-192301	Sequence 192301,
23	43	50.6	514	15	US-10-014-099F-59	Sequence 59, Appl
24	42	49.4	360	15	US-10-425-114-64090	Sequence 64090, A
25	42	49.4	383	15	US-10-282-122A-67247	Sequence 67247, A
26	42	49.4	451	9	US-09-902-772-2	Sequence 2, Appli
27	42	49.4	462	13	US-10-087-192-1128	Sequence 1128, Ap
28	42	49.4	462	14	US-10-205-823-99	Sequence 99, Appl
29	42	49.4	462	14	US-10-021-660-95	Sequence 95, Appl
30	42	49.4	462	15	US-10-211-462-42	Sequence 42, Appl
31	42	49.4	478	9	US-09-902-772-4	Sequence 4, Appli
32	42	49.4	1317	9	US-09-815-242-5118	Sequence 5118, Ap
33	42	49.4	1317	15	US-10-282-122A-43495	Sequence 43495, A
34	41.5	48.8	116	15	US-10-264-049-3423	Sequence 3423, Ap
35	41	48.2	59	15	US-10-424-599-158229	Sequence 158229,
36	41	48.2	78	16	US-10-767-701-60904	Sequence 60904, A
37	41	48.2	87	11	US-09-864-408A-5014	Sequence 5014, Ap
38	41	48.2	137	10	US-09-947-063-2	Sequence 2, Appli
39	41	48.2	137	10	US-09-947-063-5	Sequence 5, Appli
40	41	48.2	339	15	US-10-369-493-16318	Sequence 16318, A
41	41	48.2	368	9	US-09-137-415-6	Sequence 6, Appli
42	41	48.2	368	14	US-10-166-183-6	Sequence 11411,
43	41	48.2	1225	16	US-10-437-963-111411	Sequence 11411,
44	41	48.2	1234	17	US-10-741-600-1357	Sequence 1357, Ap
45	41	48.2	1365	17	US-10-741-600-1354	Sequence 1354, Ap

## ALIGNMENTS

### RESULT 1

US-10-036-444-7  
; Sequence 7, Application US/10036444  
; Publication No. US20020142445A1  
; GENERAL INFORMATION:  
; APPLICANT: INNATE PHARMA S.A.S.  
; APPLICANT: UNIVERSITA DI GENOVA  
; TITLE OF INVENTION: "No. US20020142445A1 triggering receptor involved in natural  
; TITLE OF INVENTION: cytotoxicity mediated by human Natural Killer cells and  
; FILE OF INVENTION: antibodies that identify the same"  
; FILE REFERENCE: SEQ-FR-1060  
; CURRENT APPLICATION NUMBER: US/10/036,444  
; CURRENT FILING DATE: 2002-01-07  
; PRIOR APPLICATION NUMBER: 09/440,514  
; PRIOR FILING DATE: 1999-11-15  
; PRIOR APPLICATION NUMBER: 09/456,199  
; PRIOR FILING DATE: 1999-12-07  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: Patent in Ver. 2.1  
; SEQ ID NO 7  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:peptide derived  
; OTHER INFORMATION: from natural sequence, useful for antiserum  
; OTHER INFORMATION: production  
US-10-036-444-7

Query Match 100.0%; Score 85; DB 13; Length 15;  
Best Local Similarity 100.0%; Pred. No. 1.9e-06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WVSQPEIRTEGSC 15

Db 1 WVSQPEIRTEGSC 15

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; TITLE OF INVENTION: BMOG, A Novel Protein Member of the
; TITLE OF INVENTION: Myelin-Oligodendrocyte Glycoprotein Family and Its Use for
; TITLE OF INVENTION: Immunomodulatory Purposes
; FILE REFERENCE: A041 US
; CURRENT APPLICATION NUMBER: US/10/696,259
; CURRENT FILING DATE: 2003-10-28
; PRIOR APPLICATION NUMBER: US/09/560,855A
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: PCT/US98/23826
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 60/064761
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 161
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-696-259-10

Query Match      89.4%; Score 76; DB 16; Length 161;
Best Local Similarity 100.0%; Pred. No. 0.00052;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 WVSQPPEIRTLG 14
DB      20 WVSQPPEIRTLG 33

RESULT 5
US-10-696-259-5
; Sequence 5, Application US/10696259
; Publication No. US20040110218A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC
; APPLICANT: BROWNING, Jeffrey
; TITLE OF INVENTION: BMOG, A Novel Protein Member of the
; TITLE OF INVENTION: Myelin-Oligodendrocyte Glycoprotein Family and Its Use for
; FILE REFERENCE: A041 US
; CURRENT APPLICATION NUMBER: US/10/696,259
; CURRENT FILING DATE: 2003-10-28
; PRIOR APPLICATION NUMBER: US/09/560,855A
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: PCT/US98/23826
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 60/064761
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-696-259-5

Query Match      89.4%; Score 76; DB 16; Length 177;
Best Local Similarity 100.0%; Pred. No. 0.00056;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 WVSQPPEIRTLG 14
DB      20 WVSQPPEIRTLG 33

RESULT 6
US-10-036-444-2
; Sequence 2, Application US/10036444
; Publication No. US20020142445A1
; GENERAL INFORMATION:
; APPLICANT: INNATE PHARMA S.A.S.
; APPLICANT: UNIVERSITA DI GENOVA
; TITLE OF INVENTION: "No. US20020142445A1el triggering receptor involved in natural
; TITLE OF INVENTION: cytotoxicity mediated by human Natural Killer cells and
; TITLE OF INVENTION: antibodies that identify the same"
; FILE REFERENCE: SEQ-FR-1060
; CURRENT APPLICATION NUMBER: US/10/036,444
; CURRENT FILING DATE: 2002-01-07
; PRIOR APPLICATION NUMBER: 09/440,514
; PRIOR FILING DATE: 1999-11-15
; PRIOR APPLICATION NUMBER: 09/456,199
; PRIOR FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Human NK cell
US-10-036-444-4

Query Match      89.4%; Score 76; DB 13; Length 120;
Best Local Similarity 100.0%; Pred. No. 0.00039;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 WVSQPPEIRTLG 14
DB      2 WVSQPPEIRTLG 15

RESULT 3
US-10-333-481-17
; Sequence 17, Application US/10333481
; Publication No. US20040072256A1
; GENERAL INFORMATION:
; APPLICANT: Ofer Mandelboim
; APPLICANT: Angel Porgador
; TITLE OF INVENTION: NK CELLS ACTIVATING RECEPTORS AND THEIR THERAPEUTIC AND DIAGNOSTIC
; FILE REFERENCE: 68657
; CURRENT APPLICATION NUMBER: US/10/333,481
; CURRENT FILING DATE: 2003-08-04
; PRIOR APPLICATION NUMBER: PCT/IL01/00664
; PRIOR FILING DATE: 2001-07-19
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 135
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-333-481-17

Query Match      89.4%; Score 76; DB 15; Length 135;
Best Local Similarity 100.0%; Pred. No. 0.00043;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 WVSQPPEIRTLG 14
DB      20 WVSQPPEIRTLG 33

RESULT 4
US-10-696-259-10
; Sequence 10, Application US/10696259
; Publication No. US20040110218A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC
; APPLICANT: BROWNING, Jeffrey

```

```
; TITLE OF INVENTION: cytotoxicity mediated by human Natural Killer cells and
; FILE REFERENCE: SEQ-FR-1060
; CURRENT APPLICATION NUMBER: US/10/036,444
; CURRENT FILING DATE: 2002-01-07
; PRIOR APPLICATION NUMBER: 09/440,514
; PRIOR FILING DATE: 1999-11-15
; PRIOR APPLICATION NUMBER: 09/456,199
; PRIOR FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 190
; TYPE: PRT
; ORGANISM: Human NK cell
US-10-036-444-2

Query Match      89.4%; Score 76; DB 13; Length 190;
Best Local Similarity 100.0%; Pred. No. 0.00061;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 WVSQPPEIRTEG 14
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Db      20 WVSQPPEIRTEG 33

RESULT 7
US-10-696-259-4
; Sequence 4, Application US/10696259
; Publication No. US20040110218A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC
; APPLICANT: BROWNING, Jeffrey
; TITLE OF INVENTION: BMOG, A Novel Protein Member of the
; TITLE OF INVENTION: Myelin-Oligodendrocyte Glycoprotein Family and Its Use for
; TITLE OF INVENTION: Immunomodulatory Purposes
; FILE REFERENCE: A041 US
; CURRENT APPLICATION NUMBER: US/10/696,259
; CURRENT FILING DATE: 2003-10-28
; PRIOR APPLICATION NUMBER: US/09/560,855A
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: PCT/US98/23826
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 60/064761
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 190
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-696-259-4

Query Match      89.4%; Score 76; DB 16; Length 190;
Best Local Similarity 100.0%; Pred. No. 0.00061;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 WVSQPPEIRTEG 14
      |||||
Db      20 WVSQPPEIRTEG 33

RESULT 8
US-10-696-259-6
; Sequence 6, Application US/10696259
; Publication No. US20040110218A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC
; APPLICANT: BROWNING, Jeffrey
; TITLE OF INVENTION: BMOG, A Novel Protein Member of the
; TITLE OF INVENTION: Myelin-Oligodendrocyte Glycoprotein Family and Its Use for
; TITLE OF INVENTION: Immunomodulatory Purposes
; FILE REFERENCE: A041 US
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; CURRENT APPLICATION NUMBER: US/10/696,259
; CURRENT FILING DATE: 2003-10-28
; PRIOR APPLICATION NUMBER: US/09/560,855A
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: PCT/US98/23826
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 60/064761
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 201
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-696-259-6

Query Match      89.4%; Score 76; DB 16; Length 201;
Best Local Similarity 100.0%; Pred. No. 0.00064;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 WVSQPPEIRTEG 14
      |||||
Db      20 WVSQPPEIRTEG 33

RESULT 9
US-10-333-481-18
; Sequence 18, Application US/10333481
; Publication No. US20040072256A1
; GENERAL INFORMATION:
; APPLICANT: Ofer Mandelboim
; APPLICANT: Angel Porgador
; TITLE OF INVENTION: NK CELLS ACTIVATING RECEPTORS AND THEIR THERAPEUTIC AND DIAGNOSTIC
; FILE REFERENCE: 68657
; CURRENT APPLICATION NUMBER: US/10/333,481
; CURRENT FILING DATE: 2003-08-04
; PRIOR APPLICATION NUMBER: PCT/IL01/006664
; PRIOR FILING DATE: 2001-07-19
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 369
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-333-481-18

Query Match      89.4%; Score 76; DB 15; Length 369;
Best Local Similarity 100.0%; Pred. No. 0.0012;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 WVSQPPEIRTEG 14
      |||||
Db      20 WVSQPPEIRTEG 33

RESULT 10
US-10-696-259-8
; Sequence 8, Application US/10696259
; Publication No. US20040110218A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC
; APPLICANT: BROWNING, Jeffrey
; TITLE OF INVENTION: BMOG, A Novel Protein Member of the
; TITLE OF INVENTION: Myelin-Oligodendrocyte Glycoprotein Family and Its Use for
; TITLE OF INVENTION: Immunomodulatory Purposes
; FILE REFERENCE: A041 US
; CURRENT APPLICATION NUMBER: US/10/696,259
; CURRENT FILING DATE: 2003-10-28
; PRIOR APPLICATION NUMBER: US/09/560,855A
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: PCT/US98/23826
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 60/064761
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; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 175
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-696-259-8

Query Match          72.4%; Score 61.5; DB 16; Length 175;
Best Local Similarity 92.9%; Pred. No. 0.11; Indels 1; Gaps 1;
Matches 13; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 WVSQPPEIRTEGGS 14
   |||||
Db 20 WVSQPPEIRTEGGS 32

RESULT 11
US-10-696-259-7
; Sequence 7, Application US/10696259
; Publication No. US20040110218A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC
; TITLE OF INVENTION: BMOG, A Novel Protein Member of the
; TITLE OF INVENTION: Myelin-Oligodendrocyte Glycoprotein Family and Its Use for
; TITLE OF INVENTION: Immunomodulatory Purposes
; FILE REFERENCE: A041 US
; CURRENT APPLICATION NUMBER: US/10/696,259
; CURRENT FILING DATE: 2003-10-28
; PRIOR APPLICATION NUMBER: US/09/560,855A
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: PCT/US98/23826
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 60/064761
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 185
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-696-259-7

Query Match          72.4%; Score 61.5; DB 16; Length 185;
Best Local Similarity 92.9%; Pred. No. 0.11; Indels 1; Gaps 1;
Matches 13; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 WVSQPPEIRTEGGS 14
   |||||
Db 20 WVSQPPEIRTEGGS 32

RESULT 12
US-10-696-259-9
; Sequence 9, Application US/10696259
; Publication No. US20040110218A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC
; TITLE OF INVENTION: BMOG, A Novel Protein Member of the
; TITLE OF INVENTION: Myelin-Oligodendrocyte Glycoprotein Family and Its Use for
; TITLE OF INVENTION: Immunomodulatory Purposes
; FILE REFERENCE: A041 US
; CURRENT APPLICATION NUMBER: US/10/696,259
; CURRENT FILING DATE: 2003-10-28
; PRIOR APPLICATION NUMBER: US/09/560,855A
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: PCT/US98/23826
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 60/064761
; PRIOR FILING DATE: 1997-11-07

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; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 198
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-696-259-9

Query Match          72.4%; Score 61.5; DB 16; Length 198;
Best Local Similarity 92.9%; Pred. No. 0.12; Indels 1; Gaps 1;
Matches 13; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 WVSQPPEIRTEGGS 14
   |||||
Db 20 WVSQPPEIRTEGGS 32

RESULT 13
US-10-424-599-173742
; Sequence 173742, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 173742
; LENGTH: 71
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_127908C.1.pep
US-10-424-599-173742

Query Match          58.8%; Score 50; DB 15; Length 71;
Best Local Similarity 64.3%; Pred. No. 2.9; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 WVSQPPEIRTEGGS 14
   |||||
Db 8 WTPSPPHIRFLEGS 21

RESULT 14
US-10-424-599-146488
; Sequence 146488, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 146488
; LENGTH: 275
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(275)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:

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; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_103299C.1.pap  
US-10-424-599-146488

Query Match 56.5%; Score 48; DB 15; Length 275;  
Best Local Similarity 53.3%; Pred. No. 23;  
Matches 8; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 WVSQPPEIRTEGSC 15  
||| ||| |||  
Db 106 WGSDDPAEMRSTGSC 120

## RESULT 15

US-10-156-761-14713  
; Sequence 14713, Application US/10156761  
; Publication No. US20030119018A1  
; GENERAL INFORMATION:  
; APPLICANT: OMURA, SATOSHI  
; APPLICANT: IKEDA, HARUO  
; APPLICANT: ISHIKAWA, JUN  
; APPLICANT: HORIKAWA, HIROSHI  
; APPLICANT: SHIBA, TADAYOSHI  
; APPLICANT: SAKAKI, YOSHIYUKI  
; APPLICANT: HATTORI, MASAHIRA  
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES  
; FILE REFERENCE: 249-262  
; CURRENT APPLICATION NUMBER: US/10/156,761  
; CURRENT FILING DATE: 2002-05-29  
; PRIOR APPLICATION NUMBER: JP 2001-204089  
; PRIOR FILING DATE: 2001-05-30  
; PRIOR APPLICATION NUMBER: JP 2001-272697  
; PRIOR FILING DATE: 2001-08-02  
; NUMBER OF SEQ ID NOS: 15109  
; SEQ ID NO 14713  
; LENGTH: 1517  
; TYPE: PRT  
; ORGANISM: Streptomyces avermitilis  
US-10-156-761-14713

Query Match 56.5%; Score 48; DB 14; Length 1517;  
Best Local Similarity 61.5%; Pred. No. 1.2e+02;  
Matches 8; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 1 WVSQPPEIRTEG 13  
||| ||| |||  
Db 944 WVEQPPTARTVAG 956

Search completed: March 21, 2005, 09:49:53  
Job time : 10.6615 secs

**This Page Blank (uspto)**

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: March 21, 2005, 09:17:27 ; Search time 19.2 Seconds  
(without alignments)  
466.557 Million cell updates/sec

Title: US-10-036-444-4

Perfect score: 632

Sequence: 1 LWVSQPPERTLEGSAFLP.....TGNGTRLVVEKEHPQLGAGT 120

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*

1: /cgn2\_6/prodata/1/iaa/5A\_COMB.pep.\*  
2: /cgn2\_6/prodata/1/iaa/5B\_COMB.pep.\*  
3: /cgn2\_6/prodata/1/iaa/6A\_COMB.pep.\*  
4: /cgn2\_6/prodata/1/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/prodata/1/iaa/PCTUS\_COMB.pep.\*  
6: /cgn2\_6/prodata/1/iaa/backfile1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	101.5	16.1	267	1	US-08-416-336-2
2	99	15.7	270	3	Sequence 2, Appli
3	95.5	15.1	218	4	Sequence 10, Appli
4	94	14.9	526	4	Sequence 1, Appli
5	94	14.9	526	4	Sequence 9, Appli
6	94	14.9	526	4	Sequence 9, Appli
7	94	14.9	526	4	Sequence 6122, Ap
8	94	14.9	540	4	Sequence 11644, A
9	92	14.6	174	3	Sequence 1, Appli
10	89.5	14.2	120	3	Sequence 4, Appli
11	89.5	14.2	137	3	Sequence 89, Appli
12	89.5	14.2	391	5	Sequence 2, Appli
13	88	13.9	226	4	Sequence 2, Appli
14	88	13.9	232	4	Sequence 22, Appli
15	88	13.9	232	4	Sequence 7589, Ap
16	88	13.9	946	5	Sequence 7590, Ap
17	87.5	13.8	120	4	Sequence 13, Appli
18	87.5	13.8	187	1	Sequence 102, App
19	87.5	13.8	187	1	Sequence 14, Appli
20	87.5	13.8	187	2	Sequence 14, Appli
21	87.5	13.8	187	2	Sequence 14, Appli
22	87.5	13.8	187	2	Sequence 14, Appli
23	87.5	13.8	187	2	Sequence 14, Appli
24	87.5	13.8	187	2	Sequence 14, Appli
25	87.5	13.8	187	3	Sequence 14, Appli
26	87.5	13.8	187	4	Sequence 14, Appli
27	87.5	13.8	187	5	Sequence 36, Appli

Sequence 3, Appli  
Sequence 17, Appli  
Sequence 11449, A  
Sequence 6225, Ap  
Sequence 2, Appli  
Sequence 8243, Ap  
Sequence 100, App  
Sequence 28, Appli  
Sequence 26, Appli  
Sequence 28, Appli  
Sequence 24, Appli  
Sequence 2, Appli  
Sequence 17, Appli  
Sequence 81, Appli  
Sequence 10, Appli  
Sequence 6602, Ap

28 87.5 13.8 218 4 US-10-026-045-3  
29 87.5 13.8 223 3 US-08-228-208A-17  
30 87.5 13.8 232 4 US-09-949-016-11449  
31 87.5 13.8 247 4 US-09-949-016-6225  
32 87.5 13.8 247 5 PCT-US94-10257A-2  
33 87.5 13.8 260 4 US-09-949-016-8243  
34 87.5 13.8 364 4 US-09-472-087-100  
35 87.5 13.8 374 4 US-09-227-595-26  
36 87.5 13.8 374 4 US-09-227-595-28  
37 87.5 13.8 374 4 US-08-595-590B-26  
38 87.5 13.8 374 4 US-08-595-590B-28  
39 87.5 13.8 377 4 US-09-227-595-24  
40 87.5 13.8 377 4 US-08-595-590B-24  
41 86.5 13.7 218 4 US-10-026-045-2  
42 86.5 13.7 1297 3 US-09-540-245A-17  
43 85.5 13.5 120 3 US-09-171-945-81  
44 85.5 13.5 223 4 US-09-303-040-10  
45 85.5 13.5 223 4 US-09-949-016-6602

#### ALIGNMENTS

RESULT 1  
US-08-416-336-2  
; Sequence 2, Application US/08416336  
; Patent No. 5807714  
; GENERAL INFORMATION:  
; APPLICANT: Ishizaka, Kimishige  
; APPLICANT: Ishii, Yasuyuki  
; TITLE OF INVENTION: METHOD OF PRODUCTION OF ANTIGEN-SPECIFIC  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson P.C.  
; STREET: 4225 Executive Square, Suite 1400  
; CITY: La Jolla  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 92037  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: IBM PC compatible  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/416,336  
; FILING DATE: 04-APR-1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Haile, Lisa H.  
; REGISTRATION NUMBER: 38,347  
; REFERENCE/DOCKET NUMBER: 07246/010001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 619/678-5070  
; TELEFAX: 619/678-5099  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 267 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-416-336-2

Query Match 16.1%; Score 101.5; DB 1; Length 267;  
Best Local Similarity 30.2%; Pred. No. 0.0013;  
Matches 38; Conservative 16; Mismatches 39; Indels 33; Gaps 8;  
QY 2 WVS-----QPPEIRTEGSSAFPCSFNASQGRLAIGSVTFWPFDEVPCKEVRN----- 50  
Db 18 WSGDKVKQSPALSLQEGTNSALRCNFS-----IAATTQWFLQN--PRGSLMLNLYLV 70  
QY 51 -GTPEFRGRAPLASSRFLHDHQAELHVRDVRGHDSIYVCRVEVLGLGVGT-----GN 103

Db 71 PCTKE-NGRLKSTFNSK---ESYSTLHTRDAQLEDSGTFFCAAE-----GGGSNYKLTFGK 122  
QY 104 GTRLVV 109  
Db 123 GTLLTV 128

RESULT 2  
US-09-082-593-10  
; Sequence 10, Application US/09082593  
; Patent No. 6180104  
; GENERAL INFORMATION:  
; APPLICANT: DAVIS, MARK M.  
; APPLICANT: HEDRICK, STEPHEN M.  
; TITLE OF INVENTION: T CELL RECEPTOR BETA SUBUNIT  
; FILE REFERENCE: JX1193-195DIV2  
; CURRENT APPLICATION NUMBER: US/09/082,593  
; CURRENT FILING DATE: 1998-05-20  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 10  
; LENGTH: 270  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-082-593-10

Query Match 15.7%; Score 99; DB 3; Length 270;  
Best Local Similarity 29.4%; Pred. No. 0.0025;  
Matches 37; Conservative 17; Mismatches 42; Indels 30; Gaps 8;  
QY 3 VSQPPB-IRTLGSSAFPLPCSFNASQRLAIGSVTWFRDEVVPGKEVR-----NGTPE 54  
Db 24 VQSPESLIVPEGARTSLNCTFSDSASQY---FWYRQH---SGKAPKALMSIFSNGEKE 77  
QY 55 FRGLAPLASSRFLHDHQAELHIRDVRGHDASIYVCRVEVLGVGTGNGTRLVVEKEHP 114  
Db 78 -EGRFTIHLNKASLH---FSLHIRDSQPSDSALYLCAVTLYG-----GSGNKLI----- 122  
QY 115 QLCAGT 120  
Db 123 -FGTGT 127

RESULT 3  
US-10-026-045-1  
; Sequence 1, Application US/10026045  
; Patent No. 6573236  
; GENERAL INFORMATION:  
; APPLICANT: Genain, Claude P  
; APPLICANT: Hauser, Stephen L  
; TITLE OF INVENTION: Inhibiting MOG-Antibody Binding  
; FILE REFERENCE: UCSF99-020-3  
; CURRENT APPLICATION NUMBER: US/10/026,045  
; CURRENT FILING DATE: 2003-01-13  
; PRIOR APPLICATION NUMBER: US 09/384,036  
; PRIOR FILING DATE: 1999-08-26  
; PRIOR APPLICATION NUMBER: us 60/097,953  
; PRIOR FILING DATE: 1998-08-26  
; NUMBER OF SEQ ID NOS: 3  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 1  
; LENGTH: 218  
; TYPE: PRT  
; ORGANISM: Rattus sp.  
US-10-026-045-1

Query Match 15.1%; Score 95.5; DB 4; Length 218;  
Best Local Similarity 36.2%; Pred. No. 0.0049;  
Matches 34; Conservative 8; Mismatches 33; Indels 19; Gaps 6;  
QY 9 IRTLGSSAFPLPCSFNASQRLAIG-SVTWFRDEVVPGKEV-----RNG-----TPEFR 56

Db 12 ITALVGDEAELPC--RISPGKNATCMGYWYRS----PFSRVVHLYRNGKDQDAEQAPEYR 66  
QY 57 GRLAPLASSRFLHDHQAELHIRDVRGHDASIYVC 90  
Db 67 GRTELLKES--IGEGKVALRIQNVRFSDGGYTC 98

RESULT 4  
US-09-910-174B-9  
; Sequence 9, Application US/09910174B  
; Patent No. 6630575  
; GENERAL INFORMATION:  
; APPLICANT: Coyle, Anthony J.  
; APPLICANT: Fraser, Christopher C.  
; APPLICANT: Manning, Stephen  
; TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7  
; TITLE OF INVENTION: Family and Uses Thereof  
; FILE REFERENCE: 35800/236924  
; CURRENT APPLICATION NUMBER: US/09/910,174B  
; CURRENT FILING DATE: 2001-07-20  
; PRIOR APPLICATION NUMBER: US 09/620,461  
; PRIOR FILING DATE: 2000-07-20  
; NUMBER OF SEQ ID NOS: 32  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 9  
; LENGTH: 526  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-910-174B-9

Query Match 14.9%; Score 94; DB 4; Length 526;  
Best Local Similarity 39.6%; Pred. No. 0.023;  
Matches 38; Conservative 5; Mismatches 37; Indels 16; Gaps 7;  
QY 6 PPE-IRTLGSSAFPLPC--SFNASQRLAIGSVTWFRDEVVPGKEV-RNG-----TPE 54  
Db 34 PPEPILAVVGDEAELPCRLSPNASEHL---ELRWFRRKVSFAVLVHRDGRGQEAQMP 90  
QY 55 FRGLAPLASSRFLHDHQAELHIRDVRGHDASIYVC 90  
Db 91 YRGR-ATLVQDGIAGRVA-LRIRGVRVSDDGCEYTC 124

RESULT 5  
US-09-620-461-9  
; Sequence 9, Application US/09620461  
; Patent No. 6635750  
; GENERAL INFORMATION:  
; APPLICANT: Coyle, Anthony J.  
; APPLICANT: Fraser, Christopher C.  
; APPLICANT: Manning, Stephen  
; TITLE OF INVENTION: B7-H2 Molecules, No. 6635750el Members of the B7  
; TITLE OF INVENTION: Family and Uses Thereof  
; FILE REFERENCE: 5800-149  
; CURRENT APPLICATION NUMBER: US/09/620,461  
; CURRENT FILING DATE: 2000-07-20  
; NUMBER OF SEQ ID NOS: 29  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 9  
; LENGTH: 526  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-620-461-9

Query Match 14.9%; Score 94; DB 4; Length 526;  
Best Local Similarity 39.6%; Pred. No. 0.023;  
Matches 38; Conservative 5; Mismatches 37; Indels 16; Gaps 7;  
QY 6 PPE-IRTLGSSAFPLPC--SFNASQRLAIGSVTWFRDEVVPGKEV-RNG-----TPE 54  
Db 34 PPEPILAVVGDEAELPCRLSPNASEHL---ELRWFRRKVSFAVLVHRDGRGQEAQMP 90  
QY 55 FRGLAPLASSRFLHDHQAELHIRDVRGHDASIYVC 90



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Db          91 YRGR-ATLVQDGIAGKGRVA-LRIRGVRVSDDGEYTC 124
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RESULT 6
US-09-949-016-6122
; Sequence 6122, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6122
; LENGTH: 526
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-6122

Query Match          14.9%; Score 94; DB 4; Length 526;
Best Local Similarity 39.6%; Pred. No. 0.023;
Matches 38; Conservative 5; Mismatches 37; Indels 16; Gaps 7;

QY 6 PPE-IRTEGSSAF LPC--SFNASQGRLAIGSVTWRDEYVPGKEV-RNG-----TPE 54
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Db 34 PPEPILAVVGEDAELPCRLSPNASEHL---ELRWFRKKVSPAVLVHRDGRGEAEQMP 90
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QY 55 FRGLAPLASSRFLHDHQAELHIRDVRGHDAIYVC 90
:|||||
Db 91 YRGR-ATLVQDGIAGKGRVA-LRIRGVRVSDDGEYTC 124
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RESULT 7
US-09-949-016-11644
; Sequence 11644, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11644
; LENGTH: 540
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-11644

Query Match          14.9%; Score 94; DB 4; Length 540;
Best Local Similarity 39.6%; Pred. No. 0.024;
Matches 38; Conservative 5; Mismatches 37; Indels 16; Gaps 7;

QY 6 PPE-IRTEGSSAF LPC--SFNASQGRLAIGSVTWRDEYVPGKEV-RNG-----TPE 54
|||||
Db 34 PPEPILAVVGEDAELPCRLSPNASEHL---ELRWFRKKVSPAVLVHRDGRGEAEQMP 90
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QY 55 FRGLAPLASSRFLHDHQAELHIRDVRGHDAIYVC 90
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Db 91 YRGR-ATLVQDGIAGKGRVA-LRIRGVRVSDDGEYTC 124
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RESULT 8
US-08-724-394A-1
; Sequence 1, Application US/08724394A
; Patent No. 5872237
; GENERAL INFORMATION:
; APPLICANT: Feder, John N.
; APPLICANT: Krommal, Gregory S.
; APPLICANT: Lauer, Peter M.
; APPLICANT: Ruddy, David A.
; APPLICANT: Thomas, Winston
; APPLICANT: Tsuchihashi, Zenta
; APPLICANT: Wolff, Roger K.
; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el
; TITLE OF INVENTION: Sequences and Antibodies Thereto
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/724,394A
; FILING DATE: 01-OCT-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 017957-000100
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-576-0200
; TELEFAX: 415-576-0300
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Region
; LOCATION: 1..589
; OTHER INFORMATION: /note= "BT"
US-08-724-394A-1

Query Match          14.9%; Score 94; DB 2; Length 589;
Best Local Similarity 39.6%; Pred. No. 0.027;
Matches 38; Conservative 5; Mismatches 37; Indels 16; Gaps 7;

QY 6 PPE-IRTEGSSAF LPC--SFNASQGRLAIGSVTWRDEYVPGKEV-RNG-----TPE 54
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Db 37 PPEPILAVVGEDAELPCRLSPNASEHL---ELRWFRKKVSPAVLVHRDGRGEAEQMP 93
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QY 55 FRGLAPLASSRFLHDHQAELHIRDVRGHDAIYVC 90
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Db 94 YRGR-ATLVQDGIAGKGRVA-LRIRGVRVSDDGEYTC 127
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RESULT 9
US-08-804-180C-4
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; Sequence 4, Application US/08804180C
; Patent No. 6107056
; GENERAL INFORMATION:
; APPLICANT: Martin K. Oaks
; TITLE OF INVENTION: sCTLA-4 and Its Soluble Products
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Thomas M. Wozny
; STREET: 100 East Wisconsin Avenue
; CITY: Milwaukee
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.50 inch Disk
; COMPUTER: IBM
; OPERATING SYSTEM: DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/804,180C
; FILING DATE: February 20, 1997
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Thomas M. Wozny
; REGISTRATION NUMBER: 28,922
; REFERENCE/DOCKET NUMBER: 3284-00003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (414) 271-7590
; TELEFAX: (414) 271-5770
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 174
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE:
; DESCRIPTION: Polypeptide
; HYPOTHETICAL: no
; FRAGMENT TYPE: Internal fragment
; ORIGINAL SOURCE:
; ORGANISM: Rattus No. 6107056vegicus
; STRAIN: ACI
; DEVELOPMENTAL STAGE: Adult
; CELL TYPE: Splenocyte
; FEATURE:
; NAME/KEY: Rat sCTLA-4
; IDENTIFICATION METHOD: Found by experiment
; OTHER INFORMATION: B7 binding protein
;
; US-08-804-180C-4
;
; Query Match 14.6%; Score 92; DB 3; Length 174;
; Best Local Similarity 29.5%; Pred. No. 0.0092;
; Matches 36; Conservative 19; Mismatches 49; Indels 18; Gaps 7;
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; QY 3 VVSQPPPIRTLGSSAFPLC-----SFNASQGRLAIGSVTWFRDEVVPGKEVRNGTTPFRGR 58
; Db 40 VTQPSVVLASSHGVSAPPCPEYASSHNTDEVRTVLRQT--NDQVT---EVCATFTTVKNT 94
; QY 59 LA---PLASSRFLHDHQAELHIRDVGRHDASIVYCRVEVLGSGT---GNGTRLV 110
; Db 95 LGFLDDPFCGTF-NESRVNLTIGLRADTGIFYCKVLMYPPFPVGVNGGTQIYVIA 153
; QY 111 KE 112
; Db 154 KE 155
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; RESULT 10
; US-09-171-945-89
; Sequence 89, Application US/09171945
; Patent No. 6277599
; GENERAL INFORMATION:
; APPLICANT: Emery, Stephen
; APPLICANT: Copley, Clive Graham
;
; Sequence 4, Application US/08804180C
; Patent No. 6107056
; GENERAL INFORMATION:
; APPLICANT: Edge, Michael Derek
; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said
; FILE OF INVENTION: Antibody, and Their Therapeutic Use in an Adept System
; FILE REFERENCE: Monoclonal Antibody to CEA
; CURRENT APPLICATION NUMBER: US/09/171,945
; CURRENT FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: GB9703103.3
; PRIOR FILING DATE: 1997-02-14
; PRIOR APPLICATION NUMBER: GB9609405.7
; PRIOR FILING DATE: 1996-05-04
; PRIOR APPLICATION NUMBER: PCT/GB97/01165
; PRIOR FILING DATE: 1997-04-29
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 89
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: humanized
;
; US-09-171-945-89
;
; Query Match 14.2%; Score 89.5; DB 3; Length 120;
; Best Local Similarity 27.8%; Pred. No. 0.011;
; Matches 32; Conservative 10; Mismatches 34; Indels 39; Gaps 6;
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; QY 2 WVSQPPPIRTLGSSAFPLC-----GR-GLGWIGWIDPE-----NGDTEYAPKFRG 57
; Db 36 WVRQPP-----GR-GLGWIGWIDPE-----NGDTEYAPKFRG 66
; QY 58 RLAPLASSRFLHDHQAELHIRDVGRHDASIVYCRVEVLGSGT---GNGTRLV 109
; Db 67 RATMLADS---SKNQASLFLSSVTADTAIVYCHVLIYAGYLAIDYWGQTLTVT 118
;
; RESULT 11
; US-08-804-180C-2
; Sequence 2, Application US/08804180C
; Patent No. 6107056
; GENERAL INFORMATION:
; APPLICANT: Martin K. Oaks
; TITLE OF INVENTION: sCTLA-4 and Its Soluble Products
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Thomas M. Wozny
; STREET: 100 East Wisconsin Avenue
; CITY: Milwaukee
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.50 inch Disk
; COMPUTER: IBM
; OPERATING SYSTEM: DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/804,180C
; FILING DATE: February 20, 1997
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Thomas M. Wozny
; REGISTRATION NUMBER: 28,922
; REFERENCE/DOCKET NUMBER: 3284-00003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (414) 271-7590
; TELEFAX: (414) 271-5770
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 137
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE:
; DESCRIPTION: peptide
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; HYPOTHETICAL: no
; FRAGMENT TYPE: Mature Polypeptide
; ORIGINAL SOURCE:
; ORGANISM: Homo Sapien
; DEVELOPMENTAL STAGE: Adult
; TISSUE TYPE: Lymphnode
; FEATURE:
; NAME/KEY: Human scTLA-4
; IDENTIFICATION METHOD: Found by experiment
; OTHER INFORMATION: Asn 76 and Asn 108 represent N-linked glycosylation; B7 binds
US-08-804-180C-2

Query Match 14.2%; Score 89.5; DB 3; Length 137;
Best Local Similarity 25.2%; Pred. No. 0.013;
Matches 33; Conservative 18; Mismatches 59; Indels 21; Gaps 4;

QY 3 VSQPEIRTEGSAFLPCSFNASQGRLAIGSVTWFRDEVVPGKEVRNGTPEFRGLAPL 62
DB 3 VAQPAVVLASSRGTFASVCEY-ASPGKATEVRVTVLROADSQVTEVCAATVMGNELT-- 59
QY 63 ASRFLHD-----HQAEHLHIRDVRGHDASIYVCEVVL-----GLGVGTGNGTRLV 108
DB 60 -----FLDSDICTGTSSGQNVNLTIGQLRAMDTGLYICKVELMVPYVYLGTGNGTQIYVI 115
QY 109 VEKEHPQLGAG 119
DB 116 AKKKPSYNRG 126

RESULT 12
PCT-US95-15696-2
; Sequence 2, Application PC/TUS9515696
; GENERAL INFORMATION:
; APPLICANT: President and Fellows of Harvard College
; TITLE OF INVENTION: SINGLE CHAIN T-CELL RECEPTOR
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kevin M. Farrell, P.C.
; STREET: P.O. Box 999
; CITY: York Harbor
; STATE: Maine
; COUNTRY: USA
; ZIP: 03911
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/15696
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/349,915
; FILING DATE: 06-DEC-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Farrell, Kevin M.
; REGISTRATION NUMBER: 35,505
; REFERENCE/DOCKET NUMBER: HU-9404 WO
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 207-363-0558
; TELEFAX: 207-363-0528
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 391 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US95-15696-2

Query Match 14.2%; Score 89.5; DB 5; Length 391;
Best Local Similarity 27.6%; Pred. No. 0.052;
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Matches 34; Conservative 17; Mismatches 49; Indels 23; Gaps 7;

QY 6 PPEIRTEGSAFLPCSFNASQGRLAIGSVTWFRDEVVPGKEV-----RNGTPEFRGR 58
DB 31 PQALSIQEGENATWNCYSKTS-----INNQLQWYRQN--SGRGLVHLILIRSNEREKHSGR 83
QY 59 L-APLASSRFLHDHQAEHLHIRDVRGHDASIYVCEVVLGLVGT-NGNTRLVVEKEHPQL 116
DB 84 LRVTLDTSK-----KSSLLITATRAADTASYFCATDGTGSSYIPTFGRGTSLLIV---HPSS 136
QY 117 GAG 119
DB 137 GGG 139

RESULT 13
US-09-311-784A-32
; Sequence 32, Application US/09311784A
; Patent No. 6534482
; GENERAL INFORMATION:
; APPLICANT: Fikes, John D.
; APPLICANT: Hermanson, Gary G.
; APPLICANT: Sette, Alessandro
; APPLICANT: Ishioka, Glenn Y.
; APPLICANT: Livingston, Brian
; APPLICANT: Chesnut, Robert W.
; APPLICANT: Epimmune Inc.
; TITLE OF INVENTION: Expression Vectors for Stimulating an
; FILE REFERENCE: 19963-20022.01
; CURRENT APPLICATION NUMBER: US/09/311,784A
; PRIOR FILING DATE: 1999-05-13
; PRIOR APPLICATION NUMBER: US 60/085,751
; NUMBER OF SEQ ID NOS: 463
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 32
; LENGTH: 226
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human MB-1 Ig-alpha
US-09-311-784A-32

Query Match 13.9%; Score 88; DB 4; Length 226;
Best Local Similarity 29.9%; Pred. No. 0.038;
Matches 38; Conservative 13; Mismatches 50; Indels 26; Gaps 7;

QY 1 LNVSQ-PPEIRTEGSAFLPCSFNASQGRLAIGSVTWFRDEVVPGKEVRNGT--PEFRG 57
DB 33 LMHKVPASLWVSLGDEAHFQCPHNSNN-----ANVTWNR--VLHG---NYTWPPPEFLG 82
QY 58 RLAPLASSRFLHDHQAEHLHIRDVRGHDASIYVCEVVLGLVGTGNGTRLVVEKEHPQ-- 115
DB 83 P-----GEDPNGTLIIQNVKSHGGIYVCRVQEGNESYQSCGTYLRVRQPPRPF 133
QY 116 --LGAGT 120
DB 134 LDMGEGT 140

RESULT 14
US-09-949-016-7589
; Sequence 7589, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: March 21, 2005, 09:28:48 ; Search time 135.046 Seconds  
(without alignments)  
465.047 Million cell updates/sec

Title: US-10-036-444-2  
Perfect score: 1020  
Sequence: 1 MAWMLLLILMVHPGSCALW.....GTHCHSSDGRGVIPRCP 190

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1401741 seqs, 330541175 residues

Total number of hits satisfying chosen parameters: 1401741

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

- Database :
- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pcp.\*
  - 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pcp.\*
  - 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pcp.\*
  - 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pcp.\*
  - 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pcp.\*
  - 6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pcp.\*
  - 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pcp.\*
  - 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pcp.\*
  - 9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pcp.\*
  - 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pcp.\*
  - 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pcp.\*
  - 12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pcp.\*
  - 13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pcp.\*
  - 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pcp.\*
  - 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pcp.\*
  - 16: /cgn2\_6/ptodata/1/pubpaa/US10D\_PUBCOMB.pcp.\*
  - 17: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pcp.\*
  - 18: /cgn2\_6/ptodata/1/pubpaa/US11\_NEW\_PUB.pcp.\*
  - 19: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pcp.\*
  - 20: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pcp.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1020	100.0	190	13	US-10-036-444-2
2	1020	100.0	190	16	US-10-696-259-4
3	956.5	93.8	185	16	US-10-696-259-7
4	876	85.9	201	16	US-10-696-259-6
5	859	84.2	177	16	US-10-696-259-5
6	842.5	82.6	198	16	US-10-696-259-9
7	828.5	81.2	161	16	US-10-696-259-10
8	825	80.9	175	16	US-10-696-259-8
9	713	69.9	135	15	US-10-333-481-17
10	713	69.9	369	15	US-10-333-481-18
11	632	62.0	120	13	US-10-036-444-4
12	204	20.0	33	13	US-10-036-444-6
13	123.5	12.1	246	10	US-09-909-567B-49

14	119.5	11.7	232	14	US-10-225-108A-12	Sequence 12, Appl
15	119.5	11.7	232	15	US-10-461-148-6	Sequence 6, Appl
16	118.5	11.6	139	14	US-10-312-495-6	Sequence 6, Appl
17	118.5	11.6	212	10	US-09-898-195A-17	Sequence 17, Appl
18	118.5	11.6	212	14	US-10-057-288-12	Sequence 12, Appl
19	118.5	11.6	212	14	US-10-155-514-2	Sequence 2, Appl
20	118.5	11.6	212	15	US-10-419-008-17	Sequence 17, Appl
21	118.5	11.6	212	17	US-10-742-564A-6	Sequence 6, Appl
22	112	11.0	223	17	US-10-741-600-894	Sequence 894, App
23	111.5	10.9	226	13	US-10-038-107A-1	Sequence 1, Appl
24	111.5	10.9	226	15	US-10-371-525-32	Sequence 32, Appl
25	111.5	10.9	226	15	US-10-371-069-32	Sequence 32, Appl
26	111.5	10.9	226	15	US-10-371-645-32	Sequence 32, Appl
27	111.5	10.9	226	15	US-10-371-260-32	Sequence 32, Appl
28	111.5	10.9	226	15	US-10-411-010-19	Sequence 19, Appl
29	111.5	10.9	226	17	US-10-953-264-19	Sequence 19, Appl
30	111	10.9	223	15	US-10-383-201-20	Sequence 20, Appl
31	110	10.8	223	9	US-09-989-545-21	Sequence 21, Appl
32	110	10.8	223	10	US-09-928-267-18	Sequence 18, Appl
33	110	10.8	223	10	US-09-928-267-21	Sequence 21, Appl
34	110	10.8	223	14	US-10-225-519-8	Sequence 8, Appl
35	110	10.8	223	14	US-10-207-655-101	Sequence 101, App
36	108.5	10.6	223	9	US-09-989-545-20	Sequence 20, Appl
37	108.5	10.6	223	14	US-10-211-207-5	Sequence 5, Appl
38	108.5	10.6	223	14	US-10-077-106-5	Sequence 5, Appl
39	108.5	10.6	223	16	US-10-790-396-42	Sequence 42, Appl
40	108.5	10.6	383	10	US-09-898-195A-11	Sequence 11, Appl
41	108.5	10.6	383	14	US-10-057-288-6	Sequence 6, Appl
42	108.5	10.6	383	14	US-10-155-514-10	Sequence 10, Appl
43	108.5	10.6	383	15	US-10-419-008-11	Sequence 11, Appl
44	108	10.6	223	13	US-10-107-828-26	Sequence 26, Appl
45	108	10.6	223	13	US-10-107-907-26	Sequence 26, Appl

ALIGNMENTS

RESULT 1

US-10-036-444-2

; Sequence 2, Application US/10036444

; Publication No. US20020142445A1

; GENERAL INFORMATION:

; APPLICANT: INNATE PHARMA S.A.S.

; APPLICANT: UNIVERSITA DI GENOVA

; TITLE OF INVENTION: "NO. US20020142445A1el triggering receptor involved in natural

; TITLE OF INVENTION: cytotoxicity mediated by human Natural Killer cells and

; TITLE OF INVENTION: antibodies that identify the same"

; FILE REFERENCE: SEQ-FR-1060

; CURRENT APPLICATION NUMBER: US/10/036,444

; CURRENT FILING DATE: 2002-01-07

; PRIOR APPLICATION NUMBER: 09/440,514

; PRIOR FILING DATE: 1999-11-15

; PRIOR APPLICATION NUMBER: 09/456,199

; PRIOR FILING DATE: 1999-12-07

; NUMBER OF SEQ ID NOS: 13

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 2

; LENGTH: 190

; TYPE: PRT

; ORGANISM: Human NK cell

; US-10-036-444-2

Query Match 100.0%; Score 1020; DB 13; Length 190;

Best Local Similarity 100.0%; Pred No. 2.1e-93;

Matches 190; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MAWMLLLILMVHPGSCALWVSQPPBIRTLGGSAFLPCSFNASSQGRLAIGSVTWPRDEV 60

Db 1 MAWMLLLILMVHPGSCALWVSQPPBIRTLGGSAFLPCSFNASSQGRLAIGSVTWPRDEV 60

Qy 61 VPKQEVNRTGTPFRGLAPLASSRFLHDAQELHVRGHDAIYVCRVEVLGLVGTG 120

Db 61 VPKQEVNRTGTPFRGLAPLASSRFLHDAQELHVRGHDAIYVCRVEVLGLVGTG 120

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QY 121 NGTRLVVEKEHPOLGAGTVLLLRAGFYAVSFSLVAVGSTVYYQGGKCHCHMGTHCHSSDGP 180
|||||
Db 121 NGTRLVVEKEHPOLGAGTVLLLRAGFYAVSFSLVAVGSTVYYQGGKCHCHMGTHCHSSDGP 180
|||||
QY 181 RGVPEPRCP 190
|||||
Db 181 RGVPEPRCP 190
|||||

RESULT 2
US-10-696-259-4
; Sequence 4, Application US/10696259
; Publication No. US20040110218A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC
; TITLE OF INVENTION: BROWN, Jeffrey
; TITLE OF INVENTION: Myelin-Oligodendrocyte Glycoprotein Family and Its Use for
; TITLE OF INVENTION: Immunomodulatory Purposes
; FILE REFERENCE: A041 US
; CURRENT APPLICATION NUMBER: US/10/696,259
; CURRENT FILING DATE: 2003-10-28
; PRIOR APPLICATION NUMBER: US/09/560,855A
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: PCT/US98/23826
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 60/064761
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 190
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-696-259-4

Query Match 100.0%; Score 1020; DB 16; Length 190;
Best Local Similarity 100.0%; Pred. No. 2.1e-93;
Matches 190; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAWMLLLILIMVHPGSCALWVSQPPPIRTLEGSSAFPLPCSFNASQGRLAIGSVTWFRDEV 60
|||||
Db 1 MAWMLLLILIMVHPGSCALWVSQPPPIRTLEGSSAFPLPCSFNASQGRLAIGSVTWFRDEV 60
|||||
QY 61 VPGKEVRNGTPEFRGRGLAPLASSRFLHDHQAELHIRDVRGHDAIYVCRVEVLGLGVGTG 120
|||||
Db 61 VPGKEVRNGTPEFRGRGLAPLASSRFLHDHQAELHIRDVRGHDAIYVCRVEVLGLGVGTG 120
|||||
QY 121 NGTRLVVEKEHPOLGAGTVLLLRAGFYAVSFSLVAVGSTVYYQGGKCHCHMGTHCHSSDGP 180
|||||
Db 121 NGTRLVVEKEHPOLGAGTVLLLRAGFYAVSFSLVAVGSTVYYQGGKCHCHMGTHCHSSDGP 180
|||||
QY 181 RGVPEPRCP 190
|||||
Db 181 RGVPEPRCP 190
|||||

RESULT 3
US-10-696-259-7
; Sequence 7, Application US/10696259
; Publication No. US20040110218A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC
; TITLE OF INVENTION: BROWN, Jeffrey
; TITLE OF INVENTION: Myelin-Oligodendrocyte Glycoprotein Family and Its Use for
; TITLE OF INVENTION: Immunomodulatory Purposes
; FILE REFERENCE: A041 US
; CURRENT APPLICATION NUMBER: US/10/696,259
; CURRENT FILING DATE: 2003-10-28
; PRIOR APPLICATION NUMBER: US/09/560,855A
; PRIOR FILING DATE: 2000-04-28
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; PRIOR APPLICATION NUMBER: PCT/US98/23826
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 60/064761
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 185
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-696-259-7

Query Match 93.8%; Score 956.5; DB 16; Length 185;
Best Local Similarity 96.8%; Pred. No. 4.4e-87;
Matches 184; Conservative 0; Mismatches 1; Indels 5; Gaps 3;

QY 1 MAWMLLLILIMVHPGSCALWVSQPPPIRTLEGSSAFPLPCSFNASQGRLAIGSVTWFRDEV 60
|||||
Db 1 MAWMLLLILIMVHPGSCALWVSQPPPIRT-EGSSAFPLPCSFNASQGRLAIGSVTWFRDEV 59
|||||
QY 61 VPGKEVRNGTPEFRGRGLAPLASSRFLHDHQAELHIRDVRGHDAIYVCRVEVLGLGVGTG 120
|||||
Db 60 VPGKEVRNGTPEFRGRGLAPLASSRFLHDHQAELHIRDVRGHDAIYVCRVE-LGLGVGTG 118
|||||
QY 121 NGTRLVVEKEHPOLGAGTVLLLRAGFYAVSFSLVAVGSTVYYQGGKCHCHMGTHCHSSDGP 180
|||||
Db 119 NGTRLVVEKEHPOLGAGTVLLLRAGFYAVSFSLVAVGSTVYYHKGKCHMGTHCHSSD-- 176
|||||
QY 181 RGVPEPRCP 190
|||||
Db 177 -GVPEPRCP 185
|||||

RESULT 4
US-10-696-259-6
; Sequence 6, Application US/10696259
; Publication No. US20040110218A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC
; APPLICANT: BROWN, Jeffrey
; TITLE OF INVENTION: BMOG, A Novel Protein Member of the
; TITLE OF INVENTION: Myelin-Oligodendrocyte Glycoprotein Family and Its Use for
; TITLE OF INVENTION: Immunomodulatory Purposes
; FILE REFERENCE: A041 US
; CURRENT APPLICATION NUMBER: US/10/696,259
; CURRENT FILING DATE: 2003-10-28
; PRIOR APPLICATION NUMBER: US/09/560,855A
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: PCT/US98/23826
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 60/064761
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 201
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-696-259-6

Query Match 85.9%; Score 876; DB 16; Length 201;
Best Local Similarity 89.2%; Pred. No. 5.1e-79;
Matches 173; Conservative 2; Mismatches 7; Indels 12; Gaps 2;

QY 1 MAWMLLLILIMVHPGSCALWVSQPPPIRTLEGSSAFPLPCSFNASQGRLAIGSVTWFRDEV 60
|||||
Db 1 MAWMLLLILIMVHPGSCALWVSQPPPIRTLEGSSAFPLPCSFNASQGRLAIGSVTWFRDEV 60
|||||
QY 61 VPGKEVRNGTPEFRGRGLAPLASSRFLHDHQAELHIRDVRGHDAIYVCRVEVLGLGVGTG 120
|||||
Db 61 VPGKEVRNGTPEFRGRGLAPLASSRFLHDHQAELHIRDVRGHDAIYVCRVEVLGLGVGTG 120
|||||
QY 121 NGTRLVVEKEHPOLGAGTVLLLRAGFYAVSFSLVAVGSTVYYQGGKCHCHMGTHCHSSDGP 180
|||||
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```
Db      121 NGTRLVVEKEHPQLGAGTVLLLRAGFYAVSFLSVAGSTVYYQK-----CLTWKGP 172
Qy      181 R----GVIPERPCP 190
Db      173 RRLPAVVPAPLPP 186

RESULT 5
US-10-696-259-5
; Sequence 5, Application US/10696259
; Publication No. US20040110218A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC
; APPLICANT: BROWNING, Jeffrey
; TITLE OF INVENTION: BMOG, A Novel Protein Member of the
; TITLE OF INVENTION: Myelin-Oligodendrocyte Glycoprotein Family and Its Use for
; TITLE OF INVENTION: Immunomodulatory Purposes
; FILE REFERENCE: A041 US
; CURRENT APPLICATION NUMBER: US/10/696,259
; CURRENT FILING DATE: 2003-10-28
; PRIOR APPLICATION NUMBER: US/09/560,855A
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: PCT/US98/23826
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 60/064761
; PRIOR FILING DATE: 1997-11-07
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-696-259-5

Query Match      84.2%; Score 859; DB 16; Length 177;
Best Local Similarity 100.0%; Pred. No. 2.1e-77;
Matches 165; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 MAMWLLILIMVHPGSCALWVSQPPPIRTLEGSSAFPLPCSFNASQGRLAIGSVTWPRDEV 60
Db      1 MAMWLLILIMVHPGSCALWVSQPPPIRTLEGSSAFPLPCSFNASQGRLAIGSVTWPRDEV 60
Qy      61 VPGKEVRNGTPEPRGRPLAPLASSRFLHDHQAELHIRDVRGHDASIYVCRVEVLGLGVGTG 120
Db      61 VPGKEVRNGTPEPRGRPLAPLASSRFLHDHQAELHIRDVRGHDASIYVCRVEVLGLGVGTG 120
Qy      121 NGTRLVVEKEHPQLGAGTVLLLRAGFYAVSFLSVAGSTVYYQK 165
Db      121 NGTRLVVEKEHPQLGAGTVLLLRAGFYAVSFLSVAGSTVYYQK 165

RESULT 6
US-10-696-259-9
; Sequence 9, Application US/10696259
; Publication No. US20040110218A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC
; APPLICANT: BROWNING, Jeffrey
; TITLE OF INVENTION: BMOG, A Novel Protein Member of the
; TITLE OF INVENTION: Myelin-Oligodendrocyte Glycoprotein Family and Its Use for
; TITLE OF INVENTION: Immunomodulatory Purposes
; FILE REFERENCE: A041 US
; CURRENT APPLICATION NUMBER: US/10/696,259
; CURRENT FILING DATE: 2003-10-28
; PRIOR APPLICATION NUMBER: US/09/560,855A
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: PCT/US98/23826
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 60/064761
; PRIOR FILING DATE: 1997-11-07
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 198
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-696-259-9

Query Match      82.6%; Score 842.5; DB 16; Length 198;
Best Local Similarity 88.1%; Pred. No. 1.1e-75;
Matches 170; Conservative 2; Mismatches 8; Indels 13; Gaps 4;

Qy      1 MAMWLLILIMVHPGSCALWVSQPPPIRTLEGSSAFPLPCSFNASQGRLAIGSVTWPRDEV 60
Db      1 MAMWLLILIMVHPGSCALWVSQPPPIRT-EGSSAFPLPCSFNASQGRLAIGSVTWPRDEV 59
Qy      61 VPGKEVRNGTPEPRGRPLAPLASSRFLHDHQAELHIRDVRGHDASIYVCRVEVLGLGVGTG 120
Db      60 VPGKEVRNGTPEPRGRPLAPLASSRFLHDHQAELHIRDVRGHDASIYVCRVE-LGLGVGTG 118
Qy      121 NGTRLVVEKEHPQLGAGTVLLLRAGFYAVSFLSVAGSTVYYQKCHMGTHCHSDGP 180
Db      119 NGTRLVVEKEHPQLGAGTVLLLRAGFYAVSFLSVAGSTVYYHGK-----CLTWKGP 170
Qy      181 R----GVIPERPCP 190
Db      171 RRLPAVVPAPLPP 183

RESULT 7
US-10-696-259-10
; Sequence 10, Application US/10696259
; Publication No. US20040110218A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC
; APPLICANT: BROWNING, Jeffrey
; TITLE OF INVENTION: BMOG, A Novel Protein Member of the
; TITLE OF INVENTION: Myelin-Oligodendrocyte Glycoprotein Family and Its Use for
; TITLE OF INVENTION: Immunomodulatory Purposes
; FILE REFERENCE: A041 US
; CURRENT APPLICATION NUMBER: US/10/696,259
; CURRENT FILING DATE: 2003-10-28
; PRIOR APPLICATION NUMBER: US/09/560,855A
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: PCT/US98/23826
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 60/064761
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 161
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-696-259-10

Query Match      81.2%; Score 828.5; DB 16; Length 161;
Best Local Similarity 99.4%; Pred. No. 2.1e-74;
Matches 161; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy      1 MAMWLLILIMVHPGSCALWVSQPPPIRTLEGSSAFPLPCSFNASQGRLAIGSVTWPRDEV 60
Db      1 MAMWLLILIMVHPGSCALWVSQPPPIRTLEGSSAFPLPCSFNASQGRLAIGSVTWPRDEV 60
Qy      61 VPGKEVRNGTPEPRGRPLAPLASSRFLHDHQAELHIRDVRGHDASIYVCRVEVLGLGVGTG 120
Db      61 VPGKEVRNGTPEPRGRPLAPLASSRFLHDHQAELHIRDVRGHDASIYVCRVE-LGLGVGTG 119
Qy      121 NGTRLVVEKEHPQLGAGTVLLLRAGFYAVSFLSVAGSTVYY 162
Db      120 NGTRLVVEKEHPQLGAGTVLLLRAGFYAVSFLSVAGSTVYY 161

RESULT 8
US-10-696-259-8
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; SEQ ID NO 9
; LENGTH: 198
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-696-259-9

Query Match      82.6%; Score 842.5; DB 16; Length 198;
Best Local Similarity 88.1%; Pred. No. 1.1e-75;
Matches 170; Conservative 2; Mismatches 8; Indels 13; Gaps 4;

Qy      1 MAMWLLILIMVHPGSCALWVSQPPPIRTLEGSSAFPLPCSFNASQGRLAIGSVTWPRDEV 60
Db      1 MAMWLLILIMVHPGSCALWVSQPPPIRT-EGSSAFPLPCSFNASQGRLAIGSVTWPRDEV 59
Qy      61 VPGKEVRNGTPEPRGRPLAPLASSRFLHDHQAELHIRDVRGHDASIYVCRVEVLGLGVGTG 120
Db      60 VPGKEVRNGTPEPRGRPLAPLASSRFLHDHQAELHIRDVRGHDASIYVCRVE-LGLGVGTG 118
Qy      121 NGTRLVVEKEHPQLGAGTVLLLRAGFYAVSFLSVAGSTVYYQKCHMGTHCHSDGP 180
Db      119 NGTRLVVEKEHPQLGAGTVLLLRAGFYAVSFLSVAGSTVYYHGK-----CLTWKGP 170
Qy      181 R----GVIPERPCP 190
Db      171 RRLPAVVPAPLPP 183

RESULT 7
US-10-696-259-10
; Sequence 10, Application US/10696259
; Publication No. US20040110218A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC
; APPLICANT: BROWNING, Jeffrey
; TITLE OF INVENTION: BMOG, A Novel Protein Member of the
; TITLE OF INVENTION: Myelin-Oligodendrocyte Glycoprotein Family and Its Use for
; TITLE OF INVENTION: Immunomodulatory Purposes
; FILE REFERENCE: A041 US
; CURRENT APPLICATION NUMBER: US/10/696,259
; CURRENT FILING DATE: 2003-10-28
; PRIOR APPLICATION NUMBER: US/09/560,855A
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: PCT/US98/23826
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 60/064761
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 161
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-696-259-10

Query Match      81.2%; Score 828.5; DB 16; Length 161;
Best Local Similarity 99.4%; Pred. No. 2.1e-74;
Matches 161; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy      1 MAMWLLILIMVHPGSCALWVSQPPPIRTLEGSSAFPLPCSFNASQGRLAIGSVTWPRDEV 60
Db      1 MAMWLLILIMVHPGSCALWVSQPPPIRTLEGSSAFPLPCSFNASQGRLAIGSVTWPRDEV 60
Qy      61 VPGKEVRNGTPEPRGRPLAPLASSRFLHDHQAELHIRDVRGHDASIYVCRVEVLGLGVGTG 120
Db      61 VPGKEVRNGTPEPRGRPLAPLASSRFLHDHQAELHIRDVRGHDASIYVCRVE-LGLGVGTG 119
Qy      121 NGTRLVVEKEHPQLGAGTVLLLRAGFYAVSFLSVAGSTVYY 162
Db      120 NGTRLVVEKEHPQLGAGTVLLLRAGFYAVSFLSVAGSTVYY 161

RESULT 8
US-10-696-259-8
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; Sequence 8, Application US/10696259  
; Publication No. US20040110218A1  
; GENERAL INFORMATION:  
; APPLICANT: BIOGEN, INC  
; APPLICANT: BROWNING, Jeffrey  
; TITLE OF INVENTION: BMOG, A Novel Protein Member of the  
; TITLE OF INVENTION: Myelin-Oligodendrocyte Glycoprotein Family and Its Use for  
; TITLE OF INVENTION: Immunomodulatory Purposes  
; FILE REFERENCE: A041 US  
; CURRENT APPLICATION NUMBER: US/10/696,259  
; PRIOR FILING DATE: 2003-10-28  
; PRIOR APPLICATION NUMBER: US/09/560,855A  
; PRIOR FILING DATE: 2000-04-28  
; PRIOR APPLICATION NUMBER: PCT/US98/23826  
; PRIOR FILING DATE: 1998-11-05  
; PRIOR APPLICATION NUMBER: 60/064761  
; PRIOR FILING DATE: 1997-11-07  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 8  
; LENGTH: 175  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-10-696-259-8

Query Match 80.9%; Score 825; DB 16; Length 175;  
Best Local Similarity 98.2%; Pred. No. 5.2e-74;  
Matches 162; Conservative 0; Mismatches 1; Indels 2; Gaps 2;

QY 1 MAWMLLLILIMVHPGSCALWVSQPPPIRTLEGSSAFPLPCSFNASQGRLAIGSVTWFDEV 60  
DB 1 MAWMLLLILIMVHPGSCALWVSQPPPIRT-EGSSAFPLPCSFNASQGRLAIGSVTWFDEV 59  
QY 61 VPGKEVRNGTPEFRGRGLAPLASSRFLHDHQAEHLHIRDVRGHDAIYVCRVEVLGLGVGTG 120  
DB 60 VPGKEVRNGTPEFRGRGLAPLASSRFLHDHQAEHLHIRDVRGHDAIYVCRVE-LGLGVGTG 118  
QY 121 NGTRLVVEKEHPQLGAGTVLLLRAGFYAVSFSLVAVGSTVYYGK 165  
DB 119 NGTRLVVEKEHPQLGAGTVLLLRAGFYAVSFSLVAVGSTVYYHGK 163

RESULT 9  
US-10-333-481-17  
; Sequence 17, Application US/103333481  
; Publication No. US20040072256A1  
; GENERAL INFORMATION:  
; APPLICANT: Ofer Mandelboim  
; TITLE OF INVENTION: NK CELLS ACTIVATING RECEPTORS AND THEIR THERAPEUTIC AND DIAGNOSTIC  
; FILE REFERENCE: 68657  
; CURRENT APPLICATION NUMBER: US/10/333,481  
; CURRENT FILING DATE: 2003-08-04  
; PRIOR APPLICATION NUMBER: PCT/IL01/00664  
; PRIOR FILING DATE: 2001-07-19  
; NUMBER OF SEQ ID NOS: 26  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 17  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: homo sapiens  
US-10-333-481-17

Query Match 69.9%; Score 713; DB 15; Length 135;  
Best Local Similarity 100.0%; Pred. No. 5.4e-63;  
Matches 135; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAWMLLLILIMVHPGSCALWVSQPPPIRTLEGSSAFPLPCSFNASQGRLAIGSVTWFDEV 60  
DB 1 MAWMLLLILIMVHPGSCALWVSQPPPIRTLEGSSAFPLPCSFNASQGRLAIGSVTWFDEV 60  
QY 61 VPGKEVRNGTPEFRGRGLAPLASSRFLHDHQAEHLHIRDVRGHDAIYVCRVEVLGLGVGTG 120

DB 61 VPGKEVRNGTPEFRGRGLAPLASSRFLHDHQAEHLHIRDVRGHDAIYVCRVEVLGLGVGTG 120  
QY 121 NGTRLVVEKEHPQLG 135  
DB 121 NGTRLVVEKEHPQLG 135

RESULT 10  
US-10-333-481-18  
; Sequence 18, Application US/103333481  
; Publication No. US20040072256A1  
; GENERAL INFORMATION:  
; APPLICANT: Ofer Mandelboim  
; APPLICANT: Angel Porgador  
; TITLE OF INVENTION: NK CELLS ACTIVATING RECEPTORS AND THEIR THERAPEUTIC AND DIAGNOSTIC  
; FILE REFERENCE: 68657  
; CURRENT APPLICATION NUMBER: US/10/333,481  
; CURRENT FILING DATE: 2003-08-04  
; PRIOR APPLICATION NUMBER: PCT/IL01/00664  
; PRIOR FILING DATE: 2001-07-19  
; NUMBER OF SEQ ID NOS: 26  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 18  
; LENGTH: 369  
; TYPE: PRT  
; ORGANISM: homo sapiens  
US-10-333-481-18

Query Match 69.9%; Score 713; DB 15; Length 369;  
Best Local Similarity 100.0%; Pred. No. 1.9e-62;  
Matches 135; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAWMLLLILIMVHPGSCALWVSQPPPIRTLEGSSAFPLPCSFNASQGRLAIGSVTWFDEV 60  
DB 1 MAWMLLLILIMVHPGSCALWVSQPPPIRTLEGSSAFPLPCSFNASQGRLAIGSVTWFDEV 60  
QY 61 VPGKEVRNGTPEFRGRGLAPLASSRFLHDHQAEHLHIRDVRGHDAIYVCRVEVLGLGVGTG 120  
DB 61 VPGKEVRNGTPEFRGRGLAPLASSRFLHDHQAEHLHIRDVRGHDAIYVCRVEVLGLGVGTG 120  
QY 121 NGTRLVVEKEHPQLG 135  
DB 121 NGTRLVVEKEHPQLG 135

RESULT 11  
US-10-036-444-4  
; Sequence 4, Application US/10036444  
; Publication No. US20020142445A1  
; GENERAL INFORMATION:  
; APPLICANT: INNATE PHARMA S.A.S.  
; APPLICANT: UNIVERSITA DI GENOVA  
; TITLE OF INVENTION: "No. US20020142445A1el triggering receptor involved in natural  
; TITLE OF INVENTION: cytotoxicity mediated by human Natural Killer cells and  
; TITLE OF INVENTION: antibodies that identify the same"  
; FILE REFERENCE: SEQ-FR-1060  
; CURRENT APPLICATION NUMBER: US/10/036,444  
; CURRENT FILING DATE: 2002-01-07  
; PRIOR APPLICATION NUMBER: 09/440,514  
; PRIOR FILING DATE: 1999-11-15  
; PRIOR APPLICATION NUMBER: 09/456,199  
; PRIOR FILING DATE: 1999-12-07  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 4  
; LENGTH: 120  
; TYPE: PRT  
; ORGANISM: Human NK cell  
US-10-036-444-4

Query Match 62.0%; Score 632; DB 13; Length 120;  
Best Local Similarity 100.0%; Pred. No. 5.5e-55;  
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;



Qy 19 LWSQPPPEIRTLGSSAFPCSFNASQRLAIGSVTWFRDEVVPGKEVRNGTPEFRGLA 78  
Db 1 LWSQPPPEIRTLGSSAFPCSFNASQRLAIGSVTWFRDEVVPGKEVRNGTPEFRGLA 60  
Qy 79 PLASSRFLHDHQAELHIRDVRGHDASIVYCRVEVLGLGVGTGCTRLVVEKEHPOLGAGT 138  
Db 61 PLASSRFLHDHQAELHIRDVRGHDASIVYCRVEVLGLGVGTGCTRLVVEKEHPOLGAGT 120

RESULT 12  
US-10-036-444-6  
; Sequence 6, Application US/10036444  
; Publication No. US20020142445A1  
; GENERAL INFORMATION:  
; APPLICANT: INNATE PHARMA S.A.S.  
; APPLICANT: UNIVERSITA DI GENOVA  
; TITLE OF INVENTION: "No. US20020142445A1el triggering receptor involved in natural  
; TITLE OF INVENTION: cytotoxicity mediated by human Natural Killer cells and  
; TITLE OF INVENTION: antibodies that identify the same"  
; FILE REFERENCE: SEQ-PR-1060  
; CURRENT APPLICATION NUMBER: US/10/036.444  
; PRIOR FILING DATE: 2002-01-07  
; PRIOR APPLICATION NUMBER: 09/440,514  
; PRIOR FILING DATE: 1999-11-15  
; PRIOR APPLICATION NUMBER: 09/456,199  
; PRIOR FILING DATE: 1999-12-07  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 6  
; LENGTH: 33  
; TYPE: PRT  
; ORGANISM: Human NK cell  
US-10-036-444-6

Query Match 20.0%; Score 204; DB 13; Length 33;  
Best Local Similarity 100.0%; Pred. No. 4.9e-13;  
Matches 33; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 158 STVYQKCHCHMGTHCHSDGPRGVIPERCP 190  
Db 1 STVYQKCHCHMGTHCHSDGPRGVIPERCP 33

RESULT 13  
US-09-567B-49  
; Sequence 49, Application US/0909567B  
; Publication No. US2003002257A1  
; GENERAL INFORMATION:  
; APPLICANT: Macina, Roberto A.  
; APPLICANT: Nair, Manoj  
; APPLICANT: Chen, Seiyu  
; TITLE OF INVENTION: Compositions and Methods Relating to Lung Specific Genes  
; FILE REFERENCE: DEX-0214  
; CURRENT APPLICATION NUMBER: US/09/909,567B  
; CURRENT FILING DATE: 2001-07-20  
; PRIOR APPLICATION NUMBER: 60/219,834  
; PRIOR FILING DATE: 2000-07-21  
; NUMBER OF SEQ ID NOS: 56  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 49  
; LENGTH: 246  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-09-567B-49

Query Match 12.1%; Score 123.5; DB 10; Length 246;  
Best Local Similarity 29.2%; Pred. No. 0.00063;  
Matches 54; Conservative 17; Mismatches 61; Indels 53; Gaps 10;

Qy 1 MAMW-LLLILIMVHPGSCALWV-SQPEIRTLGSSAFPCSFNASQRLAIGSVTWFRD 58  
Db 1 MAMW-LLLILIMVHPGSCALWV-SQPEIRTLGSSAFPCSFNASQRLAIGSVTWFRD 57

Qy 59 EVVPGKEVR-----NGTPEFRGLAP-----LASSRFLHDHQAELHIRDVRGHDAS 104  
Db 58 R--PGKGPREFVMRVGTGGVVGFRGADIPDRFSVSGSLNRF-----LIRNIEEDES 108  
Qy 105 IYVCRVEVLGLGVGT-----GNGTFLVV-----EKEHPOLGAGTIVLL 142  
Db 109 DYHCGTD---LGSGETSVSWVFGGCTKLTVLSQPKAAPSVTLFPPSSEELQANKATLVCL 165  
Qy 143 RAGFY 147  
Db 166 ISDFY 170

RESULT 14  
US-10-225-108A-12  
; Sequence 12, Application US/10225108A  
; Publication No. US20030157112A1  
; GENERAL INFORMATION:  
; APPLICANT: HOOPER, Craig  
; APPLICANT: DIETZSCHOLD, Bernhard  
; TITLE OF INVENTION: Recombinant Antibodies, and Compositions  
; TITLE OF INVENTION: and Methods for Making Them  
; FILE REFERENCE: 8321-110  
; CURRENT APPLICATION NUMBER: US/10/225,108A  
; CURRENT FILING DATE: 2003-04-10  
; PRIOR APPLICATION NUMBER: US 09/848,832  
; PRIOR FILING DATE: 2001-05-04  
; PRIOR APPLICATION NUMBER: US 60/204,518  
; PRIOR FILING DATE: 2001-05-16  
; PRIOR APPLICATION NUMBER: US 60/314,023  
; PRIOR FILING DATE: 2001-08-21  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12  
; LENGTH: 232  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-225-108A-12

Query Match 11.7%; Score 119.5; DB 14; Length 232;  
Best Local Similarity 26.0%; Pred. No. 0.0015;  
Matches 45; Conservative 25; Mismatches 64; Indels 39; Gaps 7;

Qy 1 MAMW-LLLILIMVH-PGSCALWV-SQPEIRTLGSSAFPCSFNASQRLAIGSVTWFRD 58  
Db 1 MAMW-LLLILIMVH-PGSCALWV-SQPEIRTLGSSAFPCSFNASQRLAIGSVTWFRD 56  
Qy 59 E-----VPGKEVRNGTPE-FRGLAPLASSRFLHDHQAELHIRDVRGHDASIVYCR 109  
Db 57 KSGQAPVAVIYDNRPSGIPERFSGKS-----GNTATLTISRVEAGDEADYVCQ 107  
Qy 110 VEVLGLGVGTGCTRLVV-----EKEHPOLGAGTIVLLRAGFY 147  
Db 108 WDISDVVFGGCTKLTVLQPKAAPSVTLFPPSSEELQANKATLVCLISDFY 160

RESULT 15  
US-10-461-148-6  
; Sequence 6, Application US/10461148  
; Publication No. US20040013672A1  
; GENERAL INFORMATION:  
; APPLICANT: Dietzschold, Bernhard  
; APPLICANT: Hooper, Douglas C.  
; TITLE OF INVENTION: RECOMBINANT ANTIBODIES AND COMPOSITIONS  
; TITLE OF INVENTION: AND METHODS FOR MAKING AND USING THE SAME  
; FILE REFERENCE: 8321-110C11-185685  
; CURRENT APPLICATION NUMBER: US/10/461,148  
; CURRENT FILING DATE: 2003-06-13  
; PRIOR APPLICATION NUMBER: US 10/225,108  
; PRIOR FILING DATE: 2002-08-21  
; PRIOR APPLICATION NUMBER: US 60/314,023  
; PRIOR FILING DATE: 2001-08-21



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: March 21, 2005, 09:17:27 ; Search time 30.4 Seconds  
(without alignments)  
466.557 Million cell updates/sec

Title: US-10-036-444-2

Perfect score: 1020

Sequence: 1 MAMWLLILLIMVHPGSCALW.....GTHSSDGRGVIPRCP 190

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*

1: /cgn2\_6/ptodata/1/iaa/5A\_COMB.pep.\*  
2: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep.\*  
3: /cgn2\_6/ptodata/1/iaa/6A\_COMB.pep.\*  
4: /cgn2\_6/ptodata/1/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/1/iaa/PCTUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	112	11.0	223	3	US-08-228-208A-17
2	112	11.0	232	4	US-09-949-016-11449
3	111.5	10.9	226	4	US-09-311-784A-32
4	111.5	10.9	232	4	US-09-949-016-7589
5	111.5	10.9	232	4	US-09-949-016-7590
6	110	10.8	223	4	US-09-949-016-6602
7	106.5	10.4	364	4	US-09-472-087-100
8	106	10.4	270	3	US-08-082-593-10
9	104.5	10.2	238	4	US-09-227-595-30
10	104.5	10.2	238	4	US-09-227-595-32
11	104.5	10.2	238	4	US-08-595-590B-30
12	104.5	10.2	238	4	US-08-595-590B-32
13	104	10.2	174	3	US-08-804-180C-4
14	103.5	10.1	187	1	US-08-067-684-14
15	103.5	10.1	187	1	US-08-008-898-14
16	103.5	10.1	187	2	US-08-459-818-14
17	103.5	10.1	187	2	US-08-889-666-14
18	103.5	10.1	187	2	US-08-465-078-14
19	103.5	10.1	187	2	US-08-725-776-14
20	103.5	10.1	187	2	US-08-488-062-14
21	103.5	10.1	187	3	US-08-228-208A-14
22	103.5	10.1	187	4	US-08-253-783-36
23	103.5	10.1	187	5	PCT-US95-06726-36
24	103.5	10.1	236	3	US-09-049-672A-7
25	103	10.1	267	1	US-08-416-336-2
26	102.5	10.0	152	4	US-09-471-276-855
27	102.5	10.0	223	4	US-09-303-040-10

Sequence 26, Appl  
Sequence 28, Appl  
Sequence 26, Appl  
Sequence 28, Appl  
Sequence 24, Appl  
Sequence 26, Appl  
Sequence 9, Appl  
Sequence 6122, Ap  
Sequence 11644, A  
Sequence 1, Appl  
Sequence 4, Appl  
Sequence 20, Appl  
Sequence 20, Appl  
Sequence 20, Appl  
Sequence 20, Appl

#### ALIGNMENTS

#### RESULT 1

US-08-228-208A-17

; Sequence 17, Application US/08228208A

; Patent No. 6090914

; GENERAL INFORMATION:

; APPLICANT: Linsley, Peter S.

; APPLICANT: Ledbetter, Jeffrey A.

; APPLICANT: Damle, Nitin K.

; APPLICANT: Brady, William

; TITLE OF INVENTION: CTLA4/CD28ig HYBRID FUSION

; TITLE OF INVENTION: PROTEINS AND USES THEREOF

; NUMBER OF SEQUENCES: 22

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Merchant & Gould

; STREET: 11150 Santa Monica Boulevard, Suite 400

; CITY: Los Angeles

; STATE: CA

; COUNTRY: USA

; ZIP: 90025

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/228,208A

; FILING DATE: 15-APR-1994

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/008,898

; FILING DATE: 22-JAN-1993

; APPLICATION NUMBER: 07/723,617

; FILING DATE: 27-JUN-1991

; ATTORNEY/AGENT INFORMATION:

; NAME: Adriano, Sarah B

; REGISTRATION NUMBER: 34,470

; REFERENCE/DOCKET NUMBER: 30436-30US01

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 310 445-1140

; TELEFAX: 310 445-9031

; TELEX:

; INFORMATION FOR SEQ ID NO: 17:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 223 amino acids

; TYPE: amino acid

; STRANDEDNESS: unknown

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; US-08-228-208A-17

[illegible]

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RESULT 5
US-09-949-016-7590
; Sequence 7590, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7590
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-7590

Query Match      10.9%; Score 111.5; DB 4; Length 232;
Best Local Similarity 28.0%; Pred. No. 0.00076;
Matches 47; Conservative 24; Mismatches 70; Indels 27; Gaps 8;

QY 4 MLLILIMVHGPCALMVSO-PPEIRTEGSSAFPLPCSFNASOGRLAIGSVTWFRDEVWP 62
Db 24 LFLSLVYLPGCGQALMHWKVPASLMVSLGEDAHFQCPHNSNN-ANVTWWR-VLH 77
QY 63 GKEVRNGT--PEFRGLAPLASSRFLHDQAEHLHVRGHDASIVYCRVEVLGLVGTTG 120
Db 78 G-----NTWPPEFLGP-----GEDPNTLIIONVKNKSHGIIYVCRVOEGNESYQOS 124
QY 121 NGTRLVVEKEHPQ----LGAGTV-LLLRAGFYAVSFLSVAGSTVYQ 163
Db 125 CGYLRVRQPPRPFLDMSGSTKNRIITABGIIILLCAVVPGTILLER 172

RESULT 6
US-09-949-016-6602
; Sequence 6602, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6602
; LENGTH: 223
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-6602

Query Match      10.8%; Score 110; DB 4; Length 223;
Best Local Similarity 28.0%; Pred. No. 0.001;
Matches 47; Conservative 22; Mismatches 75; Indels 24; Gaps 6;

US-09-949-016-7590
; Sequence 7590, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7590
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-7590

US-09-949-016-6602
; Sequence 6602, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6602
; LENGTH: 223
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-6602
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Db 137 PYYLGLGNGTQIYVIDPEPCPDSEFLMLLAASVSGLFFYSFLLTAV 184

RESULT 7
US-09-472-087-100
; Sequence 100, Application US/09472087
; Patent No. 6682736
; GENERAL INFORMATION:
; APPLICANT: HANSON, DOUGLAS C.
; APPLICANT: NEVEU, MARK J.
; APPLICANT: MUELLER, EILLEN E.
; APPLICANT: HANKE, JEFFREY H.
; APPLICANT: GILMAN, STEVEN C.
; APPLICANT: DAVIS, C. GEOFFREY
; APPLICANT: CORVALAN, JOSE R.
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
; FILE REFERENCE: ABX-PF1
; CURRENT APPLICATION NUMBER: US/09/472,087
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 60/113,647
; PRIOR FILING DATE: 1998-12-23
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 100
; LENGTH: 364
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-472-087-100

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Best Local Similarity 28.0%; Pred. No. 0.0048;
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Db 123 MYPPPYLGLGNGTQIYVIDPEP 145

RESULT 8
US-09-082-593-10
; Sequence 10, Application US/09082593
; Patent No. 6180104
; GENERAL INFORMATION:
; APPLICANT: DAVIS, MARK M.
; APPLICANT: HEDRICK, STEPHEN M.
; TITLE OF INVENTION: T CELL RECEPTOR BETA SUBUNIT
; FILE REFERENCE: JX1193-195DIV2
; CURRENT APPLICATION NUMBER: US/09/082,593
; CURRENT FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
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; LENGTH: 270
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-082-593-10

US-09-472-087-100
; Sequence 100, Application US/09472087
; Patent No. 6682736
; GENERAL INFORMATION:
; APPLICANT: HANSON, DOUGLAS C.
; APPLICANT: NEVEU, MARK J.
; APPLICANT: MUELLER, EILLEN E.
; APPLICANT: HANKE, JEFFREY H.
; APPLICANT: GILMAN, STEVEN C.
; APPLICANT: DAVIS, C. GEOFFREY
; APPLICANT: CORVALAN, JOSE R.
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
; FILE REFERENCE: ABX-PF1
; CURRENT APPLICATION NUMBER: US/09/472,087
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 60/113,647
; PRIOR FILING DATE: 1998-12-23
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 100
; LENGTH: 364
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-472-087-100
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; NAME: Thomas M. Wozny
; REGISTRATION NUMBER: 28,922
; REFERENCE/DOCKET NUMBER: 3284-00003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (414) 271-7590
; TELEFAX: (414) 271-5770
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 174
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: Polypeptide
; DESCRIPTION: Internal fragment
; HYPOTHETICAL: no
; FRAGMENT TYPE: Internal fragment
; ORIGINAL SOURCE:
; ORGANISM: Rattus No. 6107056vegicus
; STRAIN: ACI
; DEVELOPMENTAL STAGE: Adult
; CELL TYPE: Splenocyte
; FEATURE:
; NAME/KEY: Rat scTLA-4
; IDENTIFICATION METHOD: Found by experiment
; OTHER INFORMATION: B7 binding protein
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; US-08-804-180C-4
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; Query Match 10.2%; Score 104; DB 3; Length 174;
; Best Local Similarity 29.7%; Pred. No. 0.0032;
; Matches 41; Conservative 23; Mismatches 56; Indels 18; Gaps 7;
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; QY 61 VPGKEVRNCTPFRGELA-----PLASSRFLDHQAEHLHVRDVGHDASIVYCRVEVL--- 113
; DB 82 T---EVCATFTTKNTGLFDDPPFCSGTF--NESRVNLTIOGLRAADTGLYFCKVELMYP 137
;
; QY 114 GLGVGTGNGTRL-VVEKE 130
; DB 138 PYFVGNGTQIVYIAKE 155
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; RESULT 14
; US-08-067-684-14
; Sequence 14, Application US/08067684
; Patent No. 5434131
; GENERAL INFORMATION:
; APPLICANT: Linsley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Damle, Nitin K.
; APPLICANT: Brady, William
; TITLE OF INVENTION: CTLA4 RECEPTOR AND METHODS FOR ITS USE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sheldon & Mak
; STREET: 225 South Lake Avenue, Suite 900
; CITY: Pasadena
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 91101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/067,684
; FILING DATE: 26-MAY-1993
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Adriano, Sarah B.
; REGISTRATION NUMBER: 34,470
;
; NAME: Thomas M. Wozny
; REGISTRATION NUMBER: 28,922
; REFERENCE/DOCKET NUMBER: 3284-00003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (414) 271-7590
; TELEFAX: (414) 271-5770
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 174
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: Polypeptide
; DESCRIPTION: Internal fragment
; HYPOTHETICAL: no
; FRAGMENT TYPE: Internal fragment
; ORIGINAL SOURCE:
; ORGANISM: Rattus No. 6107056vegicus
; STRAIN: ACI
; DEVELOPMENTAL STAGE: Adult
; CELL TYPE: Splenocyte
; FEATURE:
; NAME/KEY: Rat scTLA-4
; IDENTIFICATION METHOD: Found by experiment
; OTHER INFORMATION: B7 binding protein
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; US-08-804-180C-4
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; Query Match 10.2%; Score 104; DB 3; Length 174;
; Best Local Similarity 29.7%; Pred. No. 0.0032;
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; DB 82 T---EVCATFTTKNTGLFDDPPFCSGTF--NESRVNLTIOGLRAADTGLYFCKVELMYP 137
;
; QY 114 GLGVGTGNGTRL-VVEKE 130
; DB 138 PYFVGNGTQIVYIAKE 155
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; RESULT 14
; US-08-067-684-14
; Sequence 14, Application US/08067684
; Patent No. 5434131
; GENERAL INFORMATION:
; APPLICANT: Linsley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Damle, Nitin K.
; APPLICANT: Brady, William
; TITLE OF INVENTION: CTLA4 RECEPTOR AND METHODS FOR ITS USE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sheldon & Mak
; STREET: 225 South Lake Avenue, Suite 900
; CITY: Pasadena
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 91101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/067,684
; FILING DATE: 26-MAY-1993
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Adriano, Sarah B.
; REGISTRATION NUMBER: 34,470
;
; NAME: Thomas M. Wozny
; REGISTRATION NUMBER: 28,922
; REFERENCE/DOCKET NUMBER: 3284-00003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (414) 271-7590
; TELEFAX: (414) 271-5770
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 174
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: Polypeptide
; DESCRIPTION: Internal fragment
; HYPOTHETICAL: no
; FRAGMENT TYPE: Internal fragment
; ORIGINAL SOURCE:
; ORGANISM: Rattus No. 6107056vegicus
; STRAIN: ACI
; DEVELOPMENTAL STAGE: Adult
; CELL TYPE: Splenocyte
; FEATURE:
; NAME/KEY: Rat scTLA-4
; IDENTIFICATION METHOD: Found by experiment
; OTHER INFORMATION: B7 binding protein
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; Best Local Similarity 29.7%; Pred. No. 0.0032;
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; QY 114 GLGVGTGNGTRL-VVEKE 130
; DB 138 PYFVGNGTQIVYIAKE 155
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; RESULT 14
; US-08-067-684-14
; Sequence 14, Application US/08067684
; Patent No. 5434131
; GENERAL INFORMATION:
; APPLICANT: Linsley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Damle, Nitin K.
; APPLICANT: Brady, William
; TITLE OF INVENTION: CTLA4 RECEPTOR AND METHODS FOR ITS USE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
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; COMPUTER READABLE FORM:
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; REGISTRATION NUMBER: 28,922
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; MOLECULE TYPE: Polypeptide
; DESCRIPTION: Internal fragment
; HYPOTHETICAL: no
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; ORGANISM: Rattus No. 6107056vegicus
; STRAIN: ACI
; DEVELOPMENTAL STAGE: Adult
; CELL TYPE: Splenocyte
; FEATURE:
; NAME/KEY: Rat scTLA-4
; IDENTIFICATION METHOD: Found by experiment
; OTHER INFORMATION: B7 binding protein
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; Best Local Similarity 29.7%; Pred. No. 0.0032;
; Matches 41; Conservative 23; Mismatches 56; Indels 18; Gaps 7;
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; DB 24 VLLSLLFIFIESEAIVTQPSVVLASSHGVSFPCVEYASSHNTDEVRVTVLRT--NDQV 81
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; DB 82 T---EVCATFTTKNTGLFDDPPFCSGTF--NESRVNLTIOGLRAADTGLYFCKVELMYP 137
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; QY 114 GLGVGTGNGTRL-VVEKE 130
; DB 138 PYFVGNGTQIVYIAKE 155
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; RESULT 14
; US-08-067-684-14
; Sequence 14, Application US/08067684
; Patent No. 5434131
; GENERAL INFORMATION:
; APPLICANT: Linsley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Damle, Nitin K.
; APPLICANT: Brady, William
; TITLE OF INVENTION: CTLA4 RECEPTOR AND METHODS FOR ITS USE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sheldon & Mak
; STREET: 225 South Lake Avenue, Suite 900
; CITY: Pasadena
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 91101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/067,684
; FILING DATE: 26-MAY-1993
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Adriano, Sarah B.
; REGISTRATION NUMBER: 34,470
;
; NAME: Thomas M. Wozny
; REGISTRATION NUMBER: 28,922
; REFERENCE/DOCKET NUMBER: 3284-00003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (414) 271-7590
; TELEFAX: (414) 271-5770
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 174
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: Polypeptide
; DESCRIPTION: Internal fragment
; HYPOTHETICAL: no
; FRAGMENT TYPE: Internal fragment
; ORIGINAL SOURCE:
; ORGANISM: Rattus No. 6107056vegicus
; STRAIN: ACI
; DEVELOPMENTAL STAGE: Adult
; CELL TYPE: Splenocyte
; FEATURE:
; NAME/KEY: Rat scTLA-4
; IDENTIFICATION METHOD: Found by experiment
; OTHER INFORMATION: B7 binding protein
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; Query Match 10.2%; Score 104; DB 3; Length 174;
; Best Local Similarity 29.7%; Pred. No. 0.0032;
; Matches 41; Conservative 23; Mismatches 56; Indels 18; Gaps 7;
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; DB 24 VLLSLLFIFIESEAIVTQPSVVLASSHGVSFPCVEYASSHNTDEVRVTVLRT--NDQV 81
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; QY 61 VPGKEVRNCTPFRGELA-----PLASSRFLDHQAEHLHVRDVGHDASIVYCRVEVL--- 113
; DB 82 T---EVCATFTTKNTGLFDDPPFCSGTF--NESRVNLTIOGLRAADTGLYFCKVELMYP 137
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; QY 114 GLGVGTGNGTRL-VVEKE 130
; DB 13
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; MOLECULE TYPE: protein  
US-08-008-898-14

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Db	60	T-----FLDSSICTGTSSGNQVNLITGLRAMDGTGLYICKVELMYPYPLGIGNGTQI	113	
Qy	126	VYKEHPQLGAGTVLLRLA---GFYAVSFLSVAV	156	
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Job time : 31.4 secs

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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: March 21, 2005, 09:28:48 ; Search time 85.2923 Seconds  
(without alignments)

465.047 Million cell updates/sec

Title: US-10-036-444-4

Perfect score: 632

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Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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2	632	100.0	177	16	US-10-696-259-5
3	632	100.0	190	13	US-10-036-444-2
4	632	100.0	190	16	US-10-696-259-4
5	632	100.0	201	16	US-10-696-259-6
6	617.5	97.7	161	16	US-10-696-259-10
7	617	97.6	135	15	US-10-333-481-17
8	617	97.6	369	15	US-10-333-481-18
9	603	95.4	175	16	US-10-696-259-8
10	603	95.4	185	16	US-10-696-259-7
11	603	95.4	198	16	US-10-696-259-9
12	118.5	18.8	139	14	US-10-312-493-6
13	107	16.9	1814	16	US-10-367-094-162

14	105	16.6	140	17	US-10-935-190-12	Sequence 12, Appl
15	103	16.3	136	15	US-10-276-774-1657	Sequence 1657, Ap
16	103	16.3	329	15	US-10-104-047-3709	Sequence 3709, Ap
17	103	16.3	3931	15	US-10-120-801-18	Sequence 18, Appl
18	102	16.1	3409	16	US-10-367-094-165	Sequence 165, Appl
19	99	15.7	246	10	US-09-909-567B-49	Sequence 49, Appl
20	98.5	15.6	246	10	US-09-880-748-1495	Sequence 1495, Ap
21	98.5	15.6	252	15	US-10-293-418-1495	Sequence 1495, Ap
22	96.5	15.3	125	16	US-10-432-006-2	Sequence 2, Appl
23	95.5	15.1	218	13	US-10-026-045-1	Sequence 1, Appl
24	94.5	15.0	175	16	US-10-696-259-13	Sequence 13, Appl
25	94	14.9	526	9	US-09-910-174A-9	Sequence 9, Appl
26	94	14.9	526	9	US-09-855-866-13	Sequence 13, Appl
27	94	14.9	526	9	US-09-896-738-19	Sequence 19, Appl
28	94	14.9	526	14	US-10-156-424A-7	Sequence 7, Appl
29	94	14.9	526	16	US-10-408-765A-1673	Sequence 1673, Ap
30	94	14.9	526	16	US-10-644-671-9	Sequence 9, Appl
31	93	14.7	1598	10	US-09-863-776-59	Sequence 59, Appl
32	93	14.7	1694	10	US-09-863-776-57	Sequence 57, Appl
33	92.5	14.6	388	15	US-10-362-591-4	Sequence 4, Appl
34	91.5	14.5	223	16	US-10-790-396-42	Sequence 42, Appl
35	91	14.4	205	9	US-09-252-150-9	Sequence 9, Appl
36	91	14.4	253	10	US-09-880-748-1545	Sequence 1545, Ap
37	91	14.4	253	10	US-10-293-418-1545	Sequence 1545, Ap
38	90.5	14.3	502	14	US-10-363-427-24	Sequence 24, Appl
39	90	14.2	524	15	US-10-042-865-67	Sequence 67, Appl
40	89.5	14.2	110	14	US-10-269-805-50	Sequence 50, Appl
41	89.5	14.2	175	16	US-10-696-259-12	Sequence 12, Appl
42	89.5	14.2	383	10	US-09-898-195A-11	Sequence 11, Appl
43	89.5	14.2	383	14	US-10-057-288-6	Sequence 6, Appl
44	89.5	14.2	383	14	US-10-155-514-10	Sequence 10, Appl
45	89.5	14.2	383	15	US-10-419-008-11	Sequence 11, Appl

#### ALIGNMENTS

#### RESULT 1

US-10-036-444-4  
; Sequence 4, Application US/10036444  
; Publication No. US20020142445A1  
; GENERAL INFORMATION:  
; APPLICANT: INNATE PHARMA S.A.S.  
; APPLICANT: UNIVERSITA DI GENOVA  
; TITLE OF INVENTION: "NO. US20020142445A1el triggering receptor involved in natural  
; TITLE OF INVENTION: cytotoxicity mediated by human Natural Killer cells and  
; FILE OF INVENTION: antibodies that identify the same"  
; FILE REFERENCE: SEQ-PR-1060  
; CURRENT APPLICATION NUMBER: US/10/036,444  
; CURRENT FILING DATE: 2002-01-07  
; PRIOR APPLICATION NUMBER: 09/440,514  
; PRIOR FILING DATE: 1999-11-15  
; PRIOR APPLICATION NUMBER: 09/456,199  
; PRIOR FILING DATE: 1999-12-07  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 4  
; LENGTH: 120  
; TYPE: PRT  
; ORGANISM: Human NK cell  
US-10-036-444-4

Query Match 100.0%; Score 632; DB 13; Length 120;  
Best Local Similarity 100.0%; Pred. No. 2.6e-61;  
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LWSQPPETRTLGSSAFPLPSCSNASQRLAIGSVTWFRDEVVPGKEVRNGTPEFRGLA 60

Db 1 LWSQPPETRTLGSSAFPLPSCSNASQRLAIGSVTWFRDEVVPGKEVRNGTPEFRGLA 60

Qy 61 PLASSRFLHDHQAELHIRDVRGHDASTIYVCRVEVLGVGTGNGTRLVVEKEHPQLGAGT 120

Db 61 PLASSRFLHDHQAELHIRDVRGHDASTIYVCRVEVLGVGTGNGTRLVVEKEHPQLGAGT 120

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RESULT 2
US-10-696-259-5
; Sequence 5, Application US/10696259
; Publication No. US20040110218A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC
; APPLICANT: BROWNING, Jeffrey
; TITLE OF INVENTION: BMOG, A Novel Protein Member of the
; TITLE OF INVENTION: Myelin-Oligodendrocyte Glycoprotein Family and Its Use for
; TITLE OF INVENTION: Immunomodulatory Purposes
; FILE REFERENCE: A041 US
; CURRENT APPLICATION NUMBER: US/10/696,259
; PRIOR FILING DATE: 2003-10-28
; PRIOR APPLICATION NUMBER: US/09/560,855A
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: PCT/US98/23826
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 60/064761
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-696-259-5

Query Match      100.0%; Score 632; DB 16; Length 177;
Best Local Similarity 100.0%; Pred. No. 4.2e-61;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LWVSQPPEIRTEGSSAFPCSFNASQGRLAIGSVTFRDEVVPGKEVRNGTPEFRGRLA 60
DB 19 LWVSQPPEIRTEGSSAFPCSFNASQGRLAIGSVTFRDEVVPGKEVRNGTPEFRGRLA 78
QY 61 PLASSRFLHDHQAELHIRDVRGHDASIYVCRVEVLGLGVGTGNGTRLVVEKEHPQLGAGT 120
DB 79 PLASSRFLHDHQAELHIRDVRGHDASIYVCRVEVLGLGVGTGNGTRLVVEKEHPQLGAGT 138

RESULT 3
US-10-036-444-2
; Sequence 2, Application US/10036444
; Publication No. US20020142445A1
; GENERAL INFORMATION:
; APPLICANT: INNATE PHARMA S.A.S.
; APPLICANT: UNIVERSITA DI GENOVA
; TITLE OF INVENTION: "No. US20020142445A1e1 triggering receptor involved in natural
; TITLE OF INVENTION: cytotoxicity mediated by human Natural Killer cells and
; TITLE OF INVENTION: antibodies that identify the same"
; FILE REFERENCE: SEQ-FR-1060
; CURRENT APPLICATION NUMBER: US/10/036,444
; PRIOR FILING DATE: 2002-01-07
; PRIOR APPLICATION NUMBER: 09/440,514
; PRIOR FILING DATE: 1999-11-15
; PRIOR APPLICATION NUMBER: 09/456,199
; PRIOR FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 190
; TYPE: PRT
; ORGANISM: Human NK cell
US-10-036-444-2

Query Match      100.0%; Score 632; DB 13; Length 190;
Best Local Similarity 100.0%; Pred. No. 4.6e-61;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LWVSQPPEIRTEGSSAFPCSFNASQGRLAIGSVTFRDEVVPGKEVRNGTPEFRGRLA 60

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DB 19 LWVSQPPEIRTEGSSAFPCSFNASQGRLAIGSVTFRDEVVPGKEVRNGTPEFRGRLA 78
QY 61 PLASSRFLHDHQAELHIRDVRGHDASIYVCRVEVLGLGVGTGNGTRLVVEKEHPQLGAGT 120
DB 79 PLASSRFLHDHQAELHIRDVRGHDASIYVCRVEVLGLGVGTGNGTRLVVEKEHPQLGAGT 138

RESULT 4
US-10-696-259-4
; Sequence 4, Application US/10696259
; Publication No. US20040110218A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC
; APPLICANT: BROWNING, Jeffrey
; TITLE OF INVENTION: BMOG, A Novel Protein Member of the
; TITLE OF INVENTION: Myelin-Oligodendrocyte Glycoprotein Family and Its Use for
; TITLE OF INVENTION: Immunomodulatory Purposes
; FILE REFERENCE: A041 US
; CURRENT APPLICATION NUMBER: US/10/696,259
; PRIOR FILING DATE: 2003-10-28
; PRIOR APPLICATION NUMBER: US/09/560,855A
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: PCT/US98/23826
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 60/064761
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 190
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-696-259-4

Query Match      100.0%; Score 632; DB 16; Length 190;
Best Local Similarity 100.0%; Pred. No. 4.6e-61;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LWVSQPPEIRTEGSSAFPCSFNASQGRLAIGSVTFRDEVVPGKEVRNGTPEFRGRLA 60
DB 19 LWVSQPPEIRTEGSSAFPCSFNASQGRLAIGSVTFRDEVVPGKEVRNGTPEFRGRLA 78
QY 61 PLASSRFLHDHQAELHIRDVRGHDASIYVCRVEVLGLGVGTGNGTRLVVEKEHPQLGAGT 120
DB 79 PLASSRFLHDHQAELHIRDVRGHDASIYVCRVEVLGLGVGTGNGTRLVVEKEHPQLGAGT 138

RESULT 5
US-10-696-259-6
; Sequence 6, Application US/10696259
; Publication No. US20040110218A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC
; APPLICANT: BROWNING, Jeffrey
; TITLE OF INVENTION: BMOG, A Novel Protein Member of the
; TITLE OF INVENTION: Myelin-Oligodendrocyte Glycoprotein Family and Its Use for
; TITLE OF INVENTION: Immunomodulatory Purposes
; FILE REFERENCE: A041 US
; CURRENT APPLICATION NUMBER: US/10/696,259
; PRIOR FILING DATE: 2003-10-28
; PRIOR APPLICATION NUMBER: US/09/560,855A
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: PCT/US98/23826
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 60/064761
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 201
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-696-259-6

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US-10-333-481-17
Query Match          97.6%; Score 617; DB 15; Length 135;
Best Local Similarity 100.0%; Pred. No. 1.3e-59;
Matches 117; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LWVSQPPEINTLGSSAFLPCSFNASQGRLAIGSVTWFRDEVVPGKEVRNGTPEFRGLA 60
    |||
Db 19 LWVSQPPEINTLGSSAFLPCSFNASQGRLAIGSVTWFRDEVVPGKEVRNGTPEFRGLA 78
    |||

Qy 61 PLASSRFLDHQAEHLIRDVRGHDASIYVCRVEVLGLGVGTGNGTRLVVEKEHPQLG 117
    |||
Db 79 PLASSRFLDHQAEHLIRDVRGHDASIYVCRVEVLGLGVGTGNGTRLVVEKEHPQLG 135
    |||

RESULT 8
US-10-333-481-18
; Sequence 18, Application US/10333481
; Publication No. US20040072256A1
; GENERAL INFORMATION:
; APPLICANT: Ofer Mandelboim
; APPLICANT: Angel Porgador
; TITLE OF INVENTION: NK CELLS ACTIVATING RECEPTORS AND THEIR THERAPEUTIC AND
; FILE REFERENCES: 68657
; CURRENT APPLICATION NUMBER: US/10/333,481
; CURRENT FILING DATE: 2003-08-04
; PRIOR APPLICATION NUMBER: PCT/IL01/00664
; PRIOR FILING DATE: 2001-07-19
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 369
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-333-481-18

Query Match          97.6%; Score 617; DB 15; Length 369;
Best Local Similarity 100.0%; Pred. No. 4.6e-59;
Matches 117; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 LWYSQPELRTLEGSSAFPLPCSFNASQGRLAIGSVTFMFRDEVVPGKEVRNGTPEFRGLA 60
Db 19 LWYSQPPERTLLEGSSAFPLPCSFNASQGRLAIGSVTFMFRDEVVPGKEVRNGTPEFRGLA 78
Qy 61 PLASSRFLHDHQAEHLHIRDVRGHDAIYCRVEVLGLGVGTGNGTRLVWKEHPQLG 117
Db 79 PLASSRFLHDHQAEHLHIRDVRGHDAIYCRVEVLGLGVGTGNGTRLVWKEHPQLG 135

RESULT 9
US-10-696-259-8
; Sequence 8, Application US/10696259
; Publication No. US20040110218A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC
; APPLICANT: BROWNING, Jeffrey
; TITLE OF INVENTION: BMOG, A Novel Protein Member of the
; TITLE OF INVENTION: Myelin-Oligodendrocyte Glycoprotein Family and Its Use for
; TITLE OF INVENTION: Immunomodulatory Purposes
; FILE REFERENCE: A041 US
; CURRENT APPLICATION NUMBER: US/10/696,259
; CURRENT FILING DATE: 2003-10-28
; PRIOR APPLICATION NUMBER: US/09/560,855A
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: PCT/US98/23826
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 60/064761
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 175
; TYPE: PRT

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; ORGANISM: Homo sapien
US-10-696-259-8

Query Match      95.4%; Score 603; DB 16; Length 175;
Best Local Similarity 98.3%; Pred. No. 6.3e-58;
Matches 118; Conservative 0; Mismatches 0; Indels 2; Gaps 2;

QY 1 LWSQPPEIRTLGGSAFLPCSFNASQGRLAIGSVTWFRDEVVPGKEVRNGTPEFRGLA 60
Db 19 LWSQPPEIRTLGGSAFLPCSFNASQGRLAIGSVTWFRDEVVPGKEVRNGTPEFRGLA 77

QY 61 PLASSRFLHDHQAELHIRDVRGHDASIYVCRVEVLGLVGTGNGTRLVVEKEHPQLGAGT 120
Db 78 PLASSRFLHDHQAELHIRDVRGHDASIYVCRVE-LGLGVGTGNGTRLVVEKEHPQLGAGT 136

RESULT 10
US-10-696-259-7
; Sequence 7, Application US/10696259
; Publication No. US20040110218A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC
; APPLICANT: BROWNING, Jeffrey
; TITLE OF INVENTION: BMOG, A Novel Protein Member of the
; TITLE OF INVENTION: Myelin-Oligodendrocyte Glycoprotein Family and Its Use for
; FILE OF INVENTION: Immunomodulatory Purposes
; FILE REFERENCE: A041 US
; CURRENT APPLICATION NUMBER: US/10/696,259
; PRIOR FILING DATE: 2003-10-28
; PRIOR APPLICATION NUMBER: US/09/560,855A
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: PCT/US98/23826
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 60/064761
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 185
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-696-259-7

Query Match      95.4%; Score 603; DB 16; Length 185;
Best Local Similarity 98.3%; Pred. No. 6.7e-58;
Matches 118; Conservative 0; Mismatches 0; Indels 2; Gaps 2;

QY 1 LWSQPPEIRTLGGSAFLPCSFNASQGRLAIGSVTWFRDEVVPGKEVRNGTPEFRGLA 60
Db 19 LWSQPPEIRTLGGSAFLPCSFNASQGRLAIGSVTWFRDEVVPGKEVRNGTPEFRGLA 77

QY 61 PLASSRFLHDHQAELHIRDVRGHDASIYVCRVEVLGLVGTGNGTRLVVEKEHPQLGAGT 120
Db 78 PLASSRFLHDHQAELHIRDVRGHDASIYVCRVE-LGLGVGTGNGTRLVVEKEHPQLGAGT 136

RESULT 11
US-10-696-259-9
; Sequence 9, Application US/10696259
; Publication No. US20040110218A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC
; APPLICANT: BROWNING, Jeffrey
; TITLE OF INVENTION: BMOG, A Novel Protein Member of the
; TITLE OF INVENTION: Myelin-Oligodendrocyte Glycoprotein Family and Its Use for
; FILE OF INVENTION: Immunomodulatory Purposes
; FILE REFERENCE: A041 US
; CURRENT APPLICATION NUMBER: US/10/696,259
; CURRENT FILING DATE: 2003-10-28
; PRIOR APPLICATION NUMBER: US/09/560,855A
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: PCT/US98/23826
; PRIOR FILING DATE: 1998-11-05

; ORGANISM: Homo sapien
US-10-696-259-9

Query Match      95.4%; Score 603; DB 16; Length 198;
Best Local Similarity 98.3%; Pred. No. 7.3e-58;
Matches 118; Conservative 0; Mismatches 0; Indels 2; Gaps 2;

QY 1 LWSQPPEIRTLGGSAFLPCSFNASQGRLAIGSVTWFRDEVVPGKEVRNGTPEFRGLA 60
Db 19 LWSQPPEIRTLGGSAFLPCSFNASQGRLAIGSVTWFRDEVVPGKEVRNGTPEFRGLA 77

QY 61 PLASSRFLHDHQAELHIRDVRGHDASIYVCRVEVLGLVGTGNGTRLVVEKEHPQLGAGT 120
Db 78 PLASSRFLHDHQAELHIRDVRGHDASIYVCRVE-LGLGVGTGNGTRLVVEKEHPQLGAGT 136

RESULT 12
US-10-312-495-6
; Sequence 6, Application US/10312495
; Publication No. US20030165495A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC.
; TITLE OF INVENTION: NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: A099PCT000454-124
; CURRENT APPLICATION NUMBER: US/10/312,495
; CURRENT FILING DATE: 2002-12-23
; PRIOR APPLICATION NUMBER: 60/213,630
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 60/283,813
; PRIOR FILING DATE: 2001-04-13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 139
; TYPE: PRT
; ORGANISM: Mus sp.
US-10-312-495-6

Query Match      18.8%; Score 118.5; DB 14; Length 139;
Best Local Similarity 30.2%; Pred. No. 6.5e-05;
Matches 39; Conservative 17; Mismatches 40; Indels 33; Gaps 7;

QY 2 WVS-----QPPEIRTLGGSAFLPCSFNASQGRLAIGSVTWFRDE-----VVP 45
Db 18 WVSQDVKSPSALSIGETSSALACNFS-----IATTVQWFLQNSRGLMNLFLVLP- 71

QY 46 KEVRNGTPEFRGLAPLASSRFLHDHQAELHIRDVRGHDASIYVCRVEVLGLG--VGTON 103
Db 72 -----GTKE--NGRLKSTFNK---BSYSTLHIDAQLSDSGTYFCAAEVETGSKLSFGK 122

QY 104 GTRLVVEKE 112
Db 123 GAKLTVSPD 131

RESULT 13
US-10-367-094-162
; Sequence 162, Application US/10367094
; Publication No. US20040170982A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc Malandro
; TITLE OF INVENTION: Novel Therapeutic Targets in Cancer
; FILE REFERENCE: 529452001500
; CURRENT APPLICATION NUMBER: US/10/367,094
; CURRENT FILING DATE: 2003-02-14
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; NUMBER OF SEQ ID NOS: 203
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 162
; LENGTH: 1814
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-367-094-162

Query Match      16.9%; Score 107; DB 16; Length 1814;
Best Local Similarity 28.7%; Pred. No. 0.028;
Matches 25; Conservative 12; Mismatches 30; Indels 20; Gaps 2;

QY 7 PEIRTEGSAFLPCSFNASQGRLAIGSVTWFRDEVVPGKEVRNGTPEFRGRLAPLASSR 66
Db 818 PDLSTIEGSHAFLPCTAKGSPE-----PAITWEXD-----GHLVSGAEGK 857
;
QY 67 FLHDHQAEHLHIRDVRGHDASIYVCRVE 93
Db 858 FTIQPSGELLVKNLEGQDAGTYTCTAE 884
;
RESULT 14
US-10-935-190-12
; Sequence 12, Application US/10935190
; Publication No. US20050037466A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.
; APPLICANT: AU-YOUNG, Janice
; APPLICANT: BANDMAN, Olga
; APPLICANT: TANG, Y. Tom
; APPLICANT: YUE, Henry
; APPLICANT: AZIMZAI, Yalda
; APPLICANT: BURFORD, Neil
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: LU, Dyung Aina M.
; APPLICANT: HILLMAN, Jennifer L.
; APPLICANT: PATTERSON, Chandra
; APPLICANT: LAL, Preeti
; TITLE OF INVENTION: RECEPTORS AND ASSOCIATED PROTEINS
; FILE REFERENCE: PF-0726 PCT
; CURRENT APPLICATION NUMBER: US/10/935,190
; CURRENT FILING DATE: 2004-09-08
; PRIOR APPLICATION NUMBER: US/10/031,904
; PRIOR FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: 60/145,232; 60/158,578; 60/165,192
; PRIOR FILING DATE: 1999-07-21; 1999-10-07; 1999-11-12
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PERL Program
; SEQ ID NO 12
; LENGTH: 140
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No: 2197211CDI
US-10-935-190-12

Query Match      16.6%; Score 105; DB 17; Length 140;
Best Local Similarity 30.3%; Pred. No. 0.002;
Matches 36; Conservative 20; Mismatches 37; Indels 26; Gaps 7;

QY 3 VSQPPE-IRTEGSSAFPLPCSFNASQGRLAIGSVTWFRDEVVPGKEVRNGTPEFRGRLAP 61
Db 25 VTQSPREALQEGESSLNCISYTVS-----GLRGLFWYRQD--PGK-----GPEFLFTLYS 73
;
QY 62 LASSR-----FLHDHQAEHLHIRDVRGHDASIYVCRVEVLGLGVGT-----GNGTRLVV 109
Db 74 AGEKEKERLKLTKKESFLHITAPKPEDSASYLCAVOG---GIGNVLHCGSGTQVVV 129
;
RESULT 15
US-10-276-774-1657
; Sequence 1657, Application US/10276774
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; Publication No. US20040053245A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; APPLICANT: Tang, Y, Tom et al
; TITLE OF INVENTION: No. US20040053245A1el Nucleic Acids and Polypeptides
; FILE REFERENCE: 21272-030
; CURRENT APPLICATION NUMBER: US/10/276,774
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: 09/560,875
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 09/496,914
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 2700
; SOFTWARE: Custom
; SEQ ID NO 1657
; LENGTH: 136
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-276-774-1657

Query Match      16.3%; Score 103; DB 15; Length 136;
Best Local Similarity 28.7%; Pred. No. 0.0032;
Matches 25; Conservative 11; Mismatches 31; Indels 20; Gaps 2;

QY 7 PEIRTEGSAFLPCSFNASQGRLAIGSVTWFRDEVVPGKEVRNGTPEFRGRLAPLASSR 66
Db 32 PDLSTIEGSHAFLPCTAKGSPE-----PNIITWDXD-----GQPVSGAEGK 71
;
QY 67 FLHDHQAEHLHIRDVRGHDASIYVCRVE 93
Db 72 FTIQPSGELLVKNLEGQDAGTYTCTAE 98
;
Search completed: March 21, 2005, 09:49:53
Job time : 86.2923 secs
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